

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 149 on

Boom No. B10:82A

184,600 lb Crane Counterweight

44,000 lb Carbody Counterweight

360 Degree Rating

## MLC250 SERIES 2



**LIFTING CAPACITIES:** Lifting capacities for various boom lengths, boom angles, luffing jib lengths, and luffing jib operating radii are for freely suspended loads and may be based on percent of static tipping or strength of structural components. Capacities must be reduced by applicable deducts.

Upper luffing jib point capacity for liftcrane service with single part whip line from Drum 2 is 29,500 lb or 59,000 lb with two part whip line. When Drum 3 is used, capacity with single part whip line is 20,000 lb or 40,000 lb with two part whip line. In all cases, upper luffing jib point capacities cannot exceed those listed for main luffing jib capacity.

Weight of all load blocks, hooks, weight ball, slings, hoist lines, etc., beneath boom and luffing jib point sheaves is considered part of load. Boom and luffing jib are not to be lowered beyond radii where combined weights are greater than rated capacity. Operation is only approved for boom and luffing jib angle range shown in capacity chart.

**LUFFING JIB BACKWARD STABILITY:** Capacities indicated by (b) require 4,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (c) require 7,000 lb minimum weight suspended beneath luffing jib point. Capacities indicated by (d) require 10,000 lb minimum weight suspended beneath luffing jib point. **Caution: Do not luff into areas indicated by (b), (c), or (d) without required minimum weights. Luffing jib may not luff down and luffing jib hoist wire rope may go slack. Luffing jib hoist wire rope may overhaul jib and cause wire rope damage or failure.**

**OPERATING CONDITIONS:** Machine to operate on a firm, level, and uniformly supporting surface. Supporting surface and bearing turntable are to be level within a tolerance of 1/2 in. in 10 ft. Refer to Boom Rigging No. 80137888, Luffing Jib Rigging No. 80138075, Wire Rope Specification chart No. 9931-A, Counterweight Arrangements chart No. 9893-A, Luffing Jib Raising Procedure chart No. 9928-A, and Wind Conditions chart No. 9930-A. Crane operator judgment must be used to allow for dynamic load effects of swinging, hoisting or lowering, travel, wind conditions, as well as adverse operating conditions and physical machine depreciation. Refer to the Operator Manual for operating guidelines.

**Manitowoc Cranes**

Manitowoc, Wisconsin 54220 U.S.A.

**MACHINE TRAVEL:** Machine to travel on a firm, level, and uniformly supporting surface. Boom and luffing jib must be within angle range shown in capacity chart. Refer to Maximum Allowable Travel Specifications chart No. 9929-A.



**OPERATING RADIUS:** Operating radius is horizontal distance from axis of rotation to center of vertical hoist line or load block. Boom angle and luffing jib angle are an indication of operating radius. In all cases, operating radius shall govern capacity.



**BOOM ANGLE:** Boom angle in degrees (°) is angle between horizontal and centerline of boom butt and inserts.



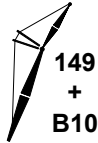
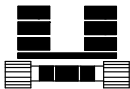
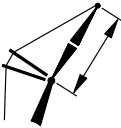
**LUFFING JIB ANGLE:** Luffing jib angle in degrees (°) is angle between horizontal and centerline of luffing jib butt and inserts.



**LUFFING JIB POINT ELEVATION:** Luffing jib point elevation is vertical distance from ground level to centerline of luffing jib point shaft.

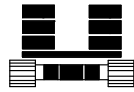
**MACHINE EQUIPMENT:** Machine equipped with 28 ft 2 in. crawlers, 48 in. or 60 in. treads, 10 ft 3 in. retractable gantry, 30 ft live mast, 20 part boom hoist reeving, boom support straps, 9 part luffing jib hoist reeving, two 1-1/2 in. luffing jib pendant backstays, and luffing jib support straps.

Explanation of Symbols

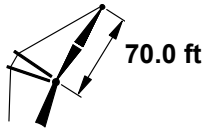
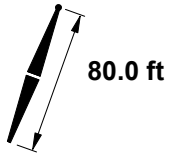
|                                                                                     |                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------|
|    | Luffing Jib No. 149<br>+<br>Boom No. B10:82A      |
|    | Crane Counterweight<br>+<br>Carbody Counterweight |
|    | 360 Degree Rating                                 |
|    | Boom Length                                       |
|   | Luffing Jib Length                                |
|  | Boom Angle<br>(see page 1)                        |
|  | Operating Radius<br>(see page 1)                  |
|  | Luffing Jib Angle<br>(see page 1)                 |
|  | Luffing Jib Point Elevation<br>(see page 1)       |
|  | Lifting Capacities<br>(see page 1)                |

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REFERENCE ONLY!



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 30  | 74.5 | 155.2 | 158,000 d |      |       |           |      |       |           | 30  |
| 32  | 72.8 | 154.5 | 158,000 d |      |       |           |      |       |           | 32  |
| 34  | 71.1 | 153.8 | 158,000 d | 73.5 | 154.6 | 158,000 d |      |       |           | 34  |
| 36  | 69.3 | 153.1 | 158,000 d | 71.7 | 153.9 | 158,000 d |      |       |           | 36  |
| 38  | 67.5 | 152.2 | 157,800 c | 70.0 | 153.2 | 158,000 d |      |       |           | 38  |
| 40  | 65.7 | 151.3 | 151,500 b | 68.2 | 152.4 | 158,000 c |      |       |           | 40  |
| 41  | 64.2 | 150.8 | 148,700 b | 67.0 | 151.9 | 155,300 c | 71.0 | 153.1 | 158,000 d | 41  |
| 45  | 61.1 | 148.7 | 137,600 b | 63.7 | 150.0 | 144,900 b | 67.5 | 151.5 | 145,700 c | 45  |
| 49  | 57.0 | 146.2 | 128,200 b | 59.0 | 147.7 | 132,300 b | 63.0 | 149.5 | 130,400 c | 49  |
| 50  | 56.3 | 145.5 | 125,900   | 59.0 | 147.2 | 129,100 b | 62.9 | 149.1 | 126,600 b | 50  |
| 55  | 51.1 | 141.7 | 114,600   | 54.0 | 143.7 | 114,000   | 58.2 | 146.1 | 111,700 b | 55  |
| 60  | 45.5 | 137.1 | 101,800   | 48.7 | 139.6 | 101,800   | 53.2 | 142.6 | 99,800    | 60  |
| 61  | 43.8 | 136.0 | 99,700    | 46.8 | 138.6 | 99,800    | 51.8 | 141.7 | 97,800    | 61  |
| 65  | 39.3 | 131.4 | 91,400    | 42.9 | 134.5 | 91,900    | 47.8 | 138.3 | 90,000    | 65  |
| 70  | 32.1 | 124.2 | 82,800    | 36.3 | 128.2 | 83,500    | 41.8 | 133.0 | 81,900    | 70  |
| 73  | 26.0 | 118.2 | 76,900    | 31.2 | 123.3 | 79,300    | 37.4 | 129.1 | 77,700    | 73  |
| 75  | 23.0 | 114.2 | 72,900    | 28.4 | 120.0 | 76,400    | 35.1 | 126.5 | 74,900    | 75  |
| 80  | 3.3  | 90.8  | 50,000    | 17.4 | 107.6 | 66,700    | 26.9 | 117.8 | 69,000    | 80  |
| 82  |      |       |           | 9.9  | 98.6  | 57,800    | 21.2 | 112.3 | 66,800    | 82  |
| 84  |      |       |           |      |       |           | 16.4 | 106.7 | 64,700    | 84  |
| 85  |      |       |           |      |       |           | 14.8 | 103.9 | 63,700    | 85  |
| 86  |      |       |           |      |       |           | 10.7 | 99.1  | 61,200    | 86  |
| 90  |      |       |           |      |       |           |      |       |           | 90  |
| 91  |      |       |           |      |       |           |      |       |           | 91  |
| 95  |      |       |           |      |       |           |      |       |           | 95  |
| 97  |      |       |           |      |       |           |      |       |           | 97  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 104 |      |       |           |      |       |           |      |       |           | 104 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |

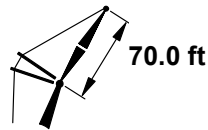
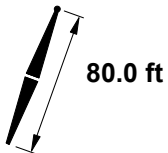


# MLC250 S-2

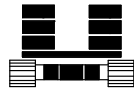
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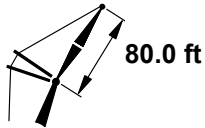
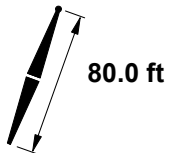
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |          | 70°  |       |          | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|----------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |          |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft       | lb   | ft    | lb       | ft   | lb    | ft     |     |
| 30  |      |       |           |      |       |          |      |       |          |      |       |        | 30  |
| 32  |      |       |           |      |       |          |      |       |          |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |          |      |       |        | 34  |
| 36  |      |       |           |      |       |          |      |       |          |      |       |        | 36  |
| 38  |      |       |           |      |       |          |      |       |          |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |          |      |       |        | 40  |
| 41  |      |       |           |      |       |          |      |       |          |      |       |        | 41  |
| 45  |      |       |           |      |       |          |      |       |          |      |       |        | 45  |
| 49  | 67.6 | 150.8 | 127,400 c |      |       |          |      |       |          |      |       |        | 49  |
| 50  | 66.7 | 150.4 | 124,000 c |      |       |          |      |       |          |      |       |        | 50  |
| 55  | 62.1 | 147.8 | 109,400 b |      |       |          |      |       |          |      |       |        | 55  |
| 60  | 57.3 | 144.8 | 97,800    |      |       |          |      |       |          |      |       |        | 60  |
| 61  | 56.0 | 144.1 | 95,900    | 62.8 | 146.6 | 92,400 b |      |       |          |      |       |        | 61  |
| 65  | 52.2 | 141.1 | 88,200    | 59.0 | 144.2 | 85,200 b |      |       |          |      |       |        | 65  |
| 70  | 46.8 | 136.7 | 80,200    | 54.1 | 140.8 | 77,500   |      |       |          |      |       |        | 70  |
| 73  | 42.4 | 133.4 | 76,100    | 50.4 | 138.3 | 73,500   | 57.7 | 141.1 | 70,800 b |      |       |        | 73  |
| 75  | 40.7 | 131.3 | 73,400    | 48.8 | 136.7 | 70,900   | 55.7 | 139.7 | 68,400   |      |       |        | 75  |
| 80  | 33.8 | 124.4 | 67,600    | 42.9 | 131.6 | 65,300   | 50.5 | 135.8 | 63,000   |      |       |        | 80  |
| 82  | 29.8 | 120.7 | 65,500    | 39.6 | 129.1 | 63,300   | 47.6 | 133.9 | 61,100   |      |       |        | 82  |
| 84  | 26.6 | 117.0 | 63,500    | 37.2 | 126.6 | 61,400   | 45.2 | 132.0 | 59,200   | 53.0 | 134.9 | 57,000 | 84  |
| 85  | 25.2 | 115.2 | 62,500    | 36.4 | 125.4 | 60,400   | 44.9 | 131.1 | 58,200   | 52.0 | 134.1 | 56,100 | 85  |
| 86  | 22.2 | 112.0 | 61,600    | 34.4 | 123.7 | 59,500   | 42.8 | 129.9 | 57,400   | 50.0 | 133.2 | 55,300 | 86  |
| 90  | 11.3 | 99.1  | 57,900    | 28.5 | 117.2 | 56,000   | 38.6 | 125.2 | 54,100   | 46.5 | 129.6 | 52,100 | 90  |
| 91  | 4.4  | 90.7  | 56,900    | 25.8 | 114.7 | 55,300   | 36.6 | 123.7 | 53,400   | 44.8 | 128.5 | 51,400 | 91  |
| 95  |      |       |           | 17.6 | 104.8 | 52,200   | 31.2 | 117.8 | 50,400   | 40.4 | 124.1 | 48,600 | 95  |
| 97  |      |       |           | 10.2 | 96.0  | 50,700   | 27.0 | 113.6 | 49,100   | 37.2 | 121.3 | 47,300 | 97  |
| 100 |      |       |           |      |       |          | 21.7 | 107.3 | 47,100   | 33.4 | 117.2 | 45,400 | 100 |
| 104 |      |       |           |      |       |          | 7.8  | 90.8  | 44,500   | 25.8 | 109.7 | 43,100 | 104 |
| 105 |      |       |           |      |       |          |      |       |          | 24.7 | 107.8 | 42,500 | 105 |
| 110 |      |       |           |      |       |          |      |       |          | 10.1 | 90.7  | 39,800 | 110 |



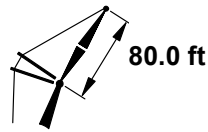
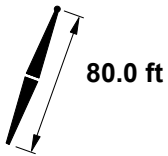
184,600 lb  
+  
44,000 lb



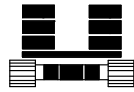
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 31  | 75.7 | 165.3 | 158,000 d |      |       |           |      |       |           | 31  |
| 32  | 75.0 | 165.0 | 158,000 d |      |       |           |      |       |           | 32  |
| 34  | 73.5 | 164.4 | 158,000 d |      |       |           |      |       |           | 34  |
| 36  | 72.0 | 163.7 | 158,000 d |      |       |           |      |       |           | 36  |
| 37  | 70.5 | 163.4 | 155,700 d | 73.3 | 164.1 | 158,000 d |      |       |           | 37  |
| 38  | 70.5 | 163.0 | 153,400 c | 72.6 | 163.8 | 158,000 d |      |       |           | 38  |
| 40  | 68.9 | 162.2 | 147,500 b | 71.1 | 163.1 | 155,500 c |      |       |           | 40  |
| 45  | 65.0 | 160.0 | 134,300 b | 67.2 | 161.1 | 141,500 b | 70.4 | 162.3 | 145,300 c | 45  |
| 50  | 61.0 | 157.4 | 123,000   | 63.2 | 158.7 | 128,800 b | 66.6 | 160.2 | 126,200 b | 50  |
| 53  | 57.6 | 155.5 | 117,200   | 60.6 | 157.0 | 119,700 b | 63.6 | 158.7 | 117,300 b | 53  |
| 55  | 56.7 | 154.2 | 113,400   | 59.1 | 155.8 | 113,700   | 62.6 | 157.7 | 111,300   | 55  |
| 60  | 52.3 | 150.6 | 101,500   | 54.8 | 152.5 | 101,500   | 58.4 | 154.8 | 99,400    | 60  |
| 65  | 47.5 | 146.2 | 91,100    | 50.2 | 148.5 | 91,600    | 54.1 | 151.3 | 89,700    | 65  |
| 66  | 46.0 | 145.2 | 89,300    | 49.0 | 147.6 | 89,900    | 53.0 | 150.5 | 88,100    | 66  |
| 70  | 42.4 | 141.0 | 82,400    | 45.3 | 143.8 | 83,300    | 49.4 | 147.2 | 81,600    | 70  |
| 75  | 36.6 | 134.8 | 75,100    | 39.9 | 138.2 | 76,300    | 44.5 | 142.4 | 74,700    | 75  |
| 78  | 31.8 | 130.0 | 71,400    | 35.4 | 134.1 | 72,600    | 40.4 | 138.9 | 71,100    | 78  |
| 80  | 30.0 | 126.9 | 68,900    | 33.8 | 131.3 | 70,200    | 39.0 | 136.6 | 68,800    | 80  |
| 85  | 21.4 | 116.0 | 61,400    | 26.5 | 122.4 | 64,900    | 32.7 | 129.5 | 63,600    | 85  |
| 90  | 3.0  | 90.9  | 43,000    | 16.2 | 108.9 | 56,600    | 25.1 | 120.0 | 59,000    | 90  |
| 92  |      |       |           | 9.2  | 99.4  | 49,500    | 20.2 | 114.0 | 57,400    | 92  |
| 95  |      |       |           |      |       |           | 13.7 | 105.1 | 54,900    | 95  |
| 96  |      |       |           |      |       |           | 10.0 | 99.9  | 52,300    | 96  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 101 |      |       |           |      |       |           |      |       |           | 101 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 107 |      |       |           |      |       |           |      |       |           | 107 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 114 |      |       |           |      |       |           |      |       |           | 114 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |



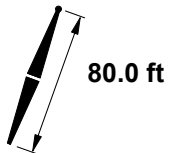
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb        | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 31  |      |       |           |      |       |        |      |       |        |      |       |        | 31  |
| 32  |      |       |           |      |       |        |      |       |        |      |       |        | 32  |
| 34  |      |       |           |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |        |      |       |        |      |       |        | 36  |
| 37  |      |       |           |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |           |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |           |      |       |        |      |       |        |      |       |        | 50  |
| 53  | 67.4 | 160.0 | 114,400 b |      |       |        |      |       |        |      |       |        | 53  |
| 55  | 65.9 | 159.1 | 109,000 b |      |       |        |      |       |        |      |       |        | 55  |
| 60  | 61.8 | 156.5 | 97,400    |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 57.7 | 153.5 | 87,800    |      |       |        |      |       |        |      |       |        | 65  |
| 66  | 56.2 | 152.8 | 86,200    | 62.5 | 155.2 | 83,000 |      |       |        |      |       |        | 66  |
| 70  | 53.3 | 149.9 | 79,800    | 59.2 | 152.9 | 77,000 |      |       |        |      |       |        | 70  |
| 75  | 48.6 | 145.7 | 73,100    | 54.8 | 149.5 | 70,500 |      |       |        |      |       |        | 75  |
| 78  | 45.0 | 142.7 | 69,600    | 51.6 | 147.2 | 67,100 | 58.0 | 149.7 | 64,500 |      |       |        | 78  |
| 80  | 43.5 | 140.7 | 67,300    | 50.3 | 145.6 | 64,900 | 56.3 | 148.4 | 62,500 |      |       |        | 80  |
| 85  | 37.9 | 134.7 | 62,200    | 45.4 | 140.9 | 60,000 | 51.8 | 144.6 | 57,800 |      |       |        | 85  |
| 90  | 31.5 | 127.3 | 57,800    | 40.0 | 135.3 | 55,700 | 47.0 | 140.2 | 53,700 | 53.0 | 142.9 | 51,600 | 90  |
| 92  | 27.8 | 123.3 | 56,200    | 36.6 | 132.5 | 54,200 | 44.0 | 138.1 | 52,200 | 51.0 | 141.2 | 50,200 | 92  |
| 95  | 23.5 | 117.3 | 53,800    | 33.9 | 128.4 | 51,900 | 41.8 | 134.9 | 50,000 | 48.3 | 138.6 | 48,100 | 95  |
| 96  | 20.4 | 113.8 | 53,100    | 31.6 | 126.6 | 51,300 | 39.8 | 133.6 | 49,400 | 47.0 | 137.6 | 47,500 | 96  |
| 100 | 10.5 | 99.9  | 50,200    | 26.6 | 119.5 | 48,500 | 36.0 | 128.5 | 46,800 | 43.3 | 133.6 | 45,000 | 100 |
| 101 | 4.0  | 90.9  | 49,300    | 24.0 | 116.9 | 47,900 | 33.8 | 126.9 | 46,200 | 41.8 | 132.4 | 44,400 | 101 |
| 105 |      |       |           | 16.4 | 106.2 | 45,400 | 29.1 | 120.4 | 43,800 | 37.6 | 127.6 | 42,200 | 105 |
| 107 |      |       |           | 9.5  | 96.8  | 44,200 | 25.4 | 115.8 | 42,700 | 34.6 | 124.5 | 41,100 | 107 |
| 110 |      |       |           |      |       |        | 20.2 | 109.0 | 41,100 | 31.1 | 120.0 | 39,600 | 110 |
| 114 |      |       |           |      |       |        | 7.3  | 91.4  | 39,000 | 23.8 | 111.8 | 37,700 | 114 |
| 115 |      |       |           |      |       |        |      |       |        | 23.0 | 109.8 | 37,200 | 115 |
| 120 |      |       |           |      |       |        |      |       |        | 9.3  | 91.4  | 35,000 | 120 |



184,600 lb  
+  
44,000 lb



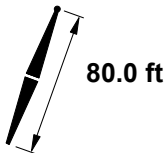
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 75.4 | 174.8 | 158,000 d |      |       |           |      |       |           | 34  |
| 36  | 74.1 | 174.2 | 154,000 d |      |       |           |      |       |           | 36  |
| 38  | 72.7 | 173.6 | 148,900 c |      |       |           |      |       |           | 38  |
| 39  | 71.5 | 173.3 | 146,300 c | 73.9 | 174.0 | 153,400 d |      |       |           | 39  |
| 40  | 71.4 | 172.9 | 143,700 b | 73.3 | 173.6 | 150,800 c |      |       |           | 40  |
| 45  | 68.0 | 171.0 | 131,200 b | 69.9 | 171.9 | 138,200 b |      |       |           | 45  |
| 48  | 65.2 | 169.6 | 124,800 b | 67.2 | 170.6 | 131,200 b | 70.7 | 171.8 | 132,900 b | 48  |
| 50  | 64.5 | 168.7 | 120,500   | 66.4 | 169.8 | 126,500 b | 69.3 | 171.1 | 125,900 b | 50  |
| 55  | 60.9 | 166.0 | 111,200   | 62.9 | 167.4 | 113,500   | 65.8 | 168.9 | 111,100   | 55  |
| 56  | 59.4 | 165.4 | 109,200   | 61.4 | 166.8 | 111,000   | 64.4 | 168.4 | 108,700   | 56  |
| 60  | 57.1 | 162.9 | 101,300   | 59.2 | 164.5 | 101,300   | 62.3 | 166.4 | 99,200    | 60  |
| 65  | 53.2 | 159.3 | 90,900    | 55.4 | 161.2 | 91,400    | 58.6 | 163.4 | 89,500    | 65  |
| 70  | 49.1 | 155.2 | 82,200    | 51.4 | 157.4 | 83,100    | 54.7 | 160.1 | 81,400    | 70  |
| 75  | 44.6 | 150.4 | 74,900    | 47.1 | 152.9 | 76,100    | 50.7 | 156.1 | 74,500    | 75  |
| 80  | 39.8 | 144.7 | 68,700    | 42.6 | 147.7 | 70,100    | 46.4 | 151.6 | 68,600    | 80  |
| 84  | 35.0 | 139.2 | 64,400    | 38.0 | 142.8 | 65,900    | 42.0 | 147.3 | 64,500    | 84  |
| 85  | 34.4 | 137.9 | 63,300    | 37.5 | 141.6 | 64,800    | 41.7 | 146.3 | 63,400    | 85  |
| 90  | 28.2 | 129.4 | 58,600    | 31.8 | 134.2 | 60,200    | 36.6 | 139.9 | 58,900    | 90  |
| 95  | 20.1 | 117.8 | 52,600    | 24.9 | 124.6 | 56,100    | 30.7 | 132.2 | 54,900    | 95  |
| 96  | 16.4 | 112.4 | 49,600    | 22.2 | 121.7 | 54,700    | 28.6 | 130.2 | 54,200    | 96  |
| 100 | 2.7  | 91.1  | 37,400    | 15.2 | 110.2 | 48,800    | 23.6 | 122.1 | 51,400    | 100 |
| 102 |      |       |           | 8.6  | 100.1 | 42,900    | 18.6 | 115.7 | 50,100    | 102 |
| 105 |      |       |           |      |       |           | 12.9 | 106.1 | 48,100    | 105 |
| 106 |      |       |           |      |       |           | 9.3  | 100.6 | 45,400    | 106 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 111 |      |       |           |      |       |           |      |       |           | 111 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 117 |      |       |           |      |       |           |      |       |           | 117 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 124 |      |       |           |      |       |           |      |       |           | 124 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |

# MLC250 S-2

ASME B30.5



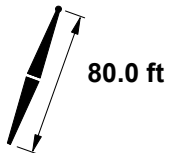
184,600 lb  
+  
44,000 lb



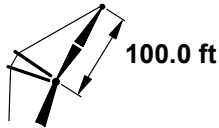
|     | 80°  |       |           | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 34  |      |       |           |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |           |      |       |        |      |       |        |      |       |        | 38  |
| 39  |      |       |           |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |           |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |           |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |           |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |           |      |       |        |      |       |        |      |       |        | 55  |
| 56  | 68.0 | 169.6 | 106,200 b |      |       |        |      |       |        |      |       |        | 56  |
| 60  | 65.2 | 167.8 | 97,100    |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 61.6 | 165.2 | 87,500    |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 57.9 | 162.2 | 79,600    | 62.9 | 164.4 | 76,700 |      |       |        |      |       |        | 70  |
| 75  | 54.0 | 158.7 | 72,900    | 59.3 | 161.6 | 70,200 |      |       |        |      |       |        | 75  |
| 80  | 50.0 | 154.6 | 67,100    | 55.4 | 158.3 | 64,600 |      |       |        |      |       |        | 80  |
| 84  | 45.8 | 150.9 | 63,100    | 51.8 | 155.2 | 60,700 | 57.4 | 157.8 | 58,300 |      |       |        | 84  |
| 85  | 45.6 | 150.0 | 62,100    | 51.4 | 154.4 | 59,700 | 56.7 | 157.1 | 57,500 |      |       |        | 85  |
| 90  | 40.9 | 144.5 | 57,600    | 47.2 | 150.0 | 55,500 | 52.7 | 153.4 | 53,400 |      |       |        | 90  |
| 95  | 35.6 | 138.0 | 53,700    | 42.6 | 144.8 | 51,700 | 48.6 | 149.2 | 49,700 |      |       |        | 95  |
| 96  | 33.8 | 136.4 | 53,000    | 41.0 | 143.6 | 51,100 | 47.2 | 148.2 | 49,100 | 53.0 | 150.9 | 47,100 | 96  |
| 100 | 29.6 | 129.9 | 50,300    | 37.6 | 138.7 | 48,400 | 44.1 | 144.3 | 46,500 | 49.7 | 147.6 | 44,700 | 100 |
| 102 | 26.2 | 125.6 | 49,000    | 34.6 | 135.8 | 47,200 | 42.0 | 142.0 | 45,300 | 47.4 | 145.7 | 43,600 | 102 |
| 105 | 22.1 | 119.2 | 47,100    | 31.9 | 131.3 | 45,400 | 39.2 | 138.5 | 43,600 | 45.4 | 142.9 | 41,900 | 105 |
| 106 | 19.4 | 115.5 | 46,500    | 29.6 | 129.4 | 44,800 | 37.8 | 137.1 | 43,100 | 44.0 | 141.8 | 41,400 | 106 |
| 110 | 9.9  | 100.7 | 44,200    | 25.0 | 121.7 | 42,600 | 33.8 | 131.6 | 41,000 | 40.6 | 137.4 | 39,400 | 110 |
| 111 | 3.7  | 91.2  | 43,000    | 22.2 | 118.9 | 42,100 | 31.8 | 129.8 | 40,500 | 39.0 | 136.0 | 38,900 | 111 |
| 115 |      |       |           | 15.4 | 107.5 | 40,100 | 27.4 | 122.8 | 38,600 | 35.4 | 130.8 | 37,100 | 115 |
| 117 |      |       |           | 8.9  | 97.5  | 39,100 | 23.4 | 117.9 | 37,700 | 32.6 | 127.5 | 36,200 | 117 |
| 120 |      |       |           |      |       |        | 19.0 | 110.7 | 36,400 | 29.3 | 122.6 | 35,000 | 120 |
| 124 |      |       |           |      |       |        | 6.8  | 91.9  | 34,600 | 22.6 | 113.9 | 33,400 | 124 |
| 125 |      |       |           |      |       |        |      |       |        | 21.6 | 111.7 | 33,000 | 125 |
| 130 |      |       |           |      |       |        |      |       |        | 8.7  | 92.1  | 31,100 | 130 |



184,600 lb  
+  
44,000 lb



80.0 ft



100.0 ft

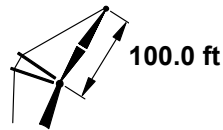
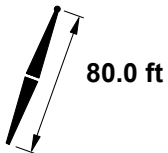
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 36  | 75.7 | 184.6 | 147,500 d |      |       |           |      |       |           | 36  |
| 38  | 74.5 | 184.1 | 143,200 c |      |       |           |      |       |           | 38  |
| 40  | 73.3 | 183.5 | 138,700 b |      |       |           |      |       |           | 40  |
| 42  | 71.8 | 182.8 | 134,300 b | 73.8 | 183.5 | 140,500 b |      |       |           | 42  |
| 45  | 70.3 | 181.8 | 127,700 b | 72.0 | 182.5 | 134,100 b |      |       |           | 45  |
| 50  | 67.2 | 179.7 | 117,600   | 68.9 | 180.7 | 123,500   |      |       |           | 50  |
| 51  | 66.4 | 179.3 | 115,800   | 67.4 | 180.2 | 121,400   | 70.9 | 181.4 | 122,200 b | 51  |
| 55  | 64.0 | 177.4 | 108,700   | 65.8 | 178.5 | 113,100   | 68.4 | 179.8 | 110,700   | 55  |
| 60  | 60.8 | 174.7 | 100,900   | 62.6 | 176.0 | 101,000   | 65.3 | 177.6 | 98,800    | 60  |
| 65  | 57.4 | 171.6 | 90,900    | 59.3 | 173.2 | 91,100    | 62.1 | 175.0 | 89,100    | 65  |
| 70  | 53.9 | 168.1 | 82,200    | 55.9 | 169.9 | 82,800    | 58.7 | 172.1 | 81,000    | 70  |
| 75  | 50.2 | 164.1 | 74,800    | 52.3 | 166.2 | 75,800    | 55.3 | 168.8 | 74,100    | 75  |
| 80  | 46.4 | 159.5 | 68,500    | 48.5 | 161.9 | 69,800    | 51.7 | 165.0 | 68,200    | 80  |
| 85  | 42.2 | 154.3 | 63,100    | 44.6 | 157.1 | 64,500    | 47.9 | 160.6 | 63,100    | 85  |
| 89  | 38.0 | 149.3 | 59,300    | 40.8 | 152.6 | 60,900    | 43.8 | 156.6 | 59,500    | 89  |
| 90  | 37.7 | 148.1 | 58,300    | 40.2 | 151.4 | 59,900    | 43.8 | 155.7 | 58,600    | 90  |
| 95  | 32.6 | 140.8 | 54,100    | 35.5 | 144.8 | 55,900    | 39.5 | 149.9 | 54,600    | 95  |
| 100 | 26.7 | 131.8 | 50,400    | 30.1 | 136.8 | 52,300    | 34.6 | 143.1 | 51,100    | 100 |
| 103 | 21.8 | 124.4 | 47,400    | 25.8 | 130.7 | 50,200    | 31.0 | 138.1 | 49,200    | 103 |
| 105 | 19.0 | 119.4 | 45,400    | 23.6 | 126.6 | 48,900    | 29.1 | 134.8 | 47,900    | 105 |
| 110 | 2.5  | 91.2  | 32,500    | 14.4 | 111.5 | 42,300    | 22.3 | 124.1 | 45,000    | 110 |
| 112 |      |       |           | 8.1  | 100.7 | 37,300    | 18.0 | 117.3 | 43,900    | 112 |
| 115 |      |       |           |      |       |           | 12.2 | 107.2 | 42,300    | 115 |
| 116 |      |       |           |      |       |           | 8.8  | 101.4 | 39,600    | 116 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 121 |      |       |           |      |       |           |      |       |           | 121 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 127 |      |       |           |      |       |           |      |       |           | 127 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 134 |      |       |           |      |       |           |      |       |           | 134 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |

# MLC250 S-2

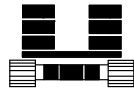
ASME B30.5



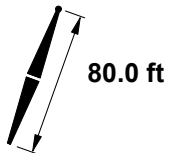
184,600 lb  
+  
44,000 lb



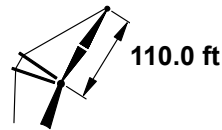
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 36  |      |       |        |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 42  |      |       |        |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  | 67.9 | 178.7 | 96,600 |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 64.7 | 176.4 | 87,100 |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 61.5 | 173.8 | 79,100 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 58.1 | 170.8 | 72,400 | 62.6 | 173.1 | 69,700 |      |       |        |      |       |        | 75  |
| 80  | 54.7 | 167.4 | 66,700 | 59.3 | 170.2 | 64,100 |      |       |        |      |       |        | 80  |
| 85  | 51.0 | 163.5 | 61,600 | 55.9 | 167.0 | 59,300 |      |       |        |      |       |        | 85  |
| 89  | 47.8 | 160.0 | 58,100 | 52.6 | 164.0 | 55,900 | 57.7 | 166.4 | 53,600 |      |       |        | 89  |
| 90  | 47.2 | 159.1 | 57,300 | 52.3 | 163.3 | 55,000 | 57.0 | 165.8 | 52,800 |      |       |        | 90  |
| 95  | 43.1 | 154.0 | 53,400 | 48.6 | 159.0 | 51,300 | 53.5 | 162.2 | 49,200 |      |       |        | 95  |
| 100 | 38.7 | 148.0 | 49,900 | 44.6 | 154.2 | 48,000 | 49.8 | 158.1 | 46,000 |      |       |        | 100 |
| 103 | 35.0 | 143.8 | 48,000 | 41.6 | 150.8 | 46,200 | 46.6 | 155.4 | 44,300 | 52.3 | 158.1 | 42,400 | 103 |
| 105 | 33.7 | 141.0 | 46,800 | 40.3 | 148.5 | 45,000 | 45.9 | 153.5 | 43,100 | 50.8 | 156.5 | 41,400 | 105 |
| 110 | 28.0 | 132.4 | 44,000 | 35.5 | 142.0 | 42,300 | 41.7 | 148.2 | 40,500 | 47.0 | 152.0 | 38,800 | 110 |
| 112 | 24.8 | 127.8 | 43,000 | 33.0 | 138.8 | 41,300 | 39.4 | 145.7 | 39,600 | 44.4 | 149.9 | 37,900 | 112 |
| 115 | 20.9 | 121.0 | 41,400 | 30.2 | 134.0 | 39,800 | 37.1 | 141.9 | 38,200 | 42.9 | 146.8 | 36,600 | 115 |
| 116 | 17.8 | 117.1 | 40,900 | 28.6 | 131.9 | 39,300 | 35.8 | 140.4 | 37,700 | 41.2 | 145.6 | 36,200 | 116 |
| 120 | 9.3  | 101.5 | 39,000 | 23.7 | 123.8 | 37,500 | 32.0 | 134.4 | 36,000 | 38.4 | 140.9 | 34,500 | 120 |
| 121 | 3.5  | 91.4  | 37,600 | 21.2 | 120.8 | 37,100 | 29.8 | 132.6 | 35,600 | 37.0 | 139.4 | 34,100 | 121 |
| 125 |      |       |        | 14.5 | 108.7 | 35,400 | 25.9 | 125.1 | 34,000 | 33.5 | 133.8 | 32,600 | 125 |
| 127 |      |       |        | 8.4  | 98.2  | 34,600 | 21.8 | 119.9 | 33,300 | 30.6 | 130.3 | 31,900 | 127 |
| 130 |      |       |        |      |       |        | 18.0 | 112.2 | 32,200 | 27.7 | 125.1 | 30,800 | 130 |
| 134 |      |       |        |      |       |        | 6.4  | 92.4  | 30,700 | 21.4 | 115.8 | 29,500 | 134 |
| 135 |      |       |        |      |       |        |      |       |        | 20.5 | 113.5 | 29,200 | 135 |
| 140 |      |       |        |      |       |        |      |       |        | 8.3  | 92.8  | 27,600 | 140 |



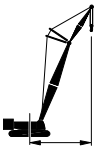
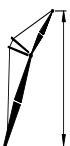
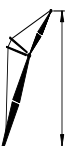
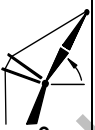
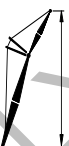
184,600 lb  
+  
44,000 lb



80.0 ft



110.0 ft

|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 38                                                                                   | 76.0                                                                                  | 194.5                                                                                | 137,900 <b>b</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 74.9                                                                                  | 193.9                                                                                | 133,800 <b>b</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 72.1                                                                                  | 192.4                                                                                | 124,200 <b>b</b>                                                                     | 73.7                                                                                  | 193.0                                                                                | 129,700 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 69.4                                                                                  | 190.6                                                                                | 114,700                                                                              | 70.9                                                                                  | 191.4                                                                                | 120,400                                                                              |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 54                                                                                   | 66.6                                                                                  | 188.9                                                                                | 108,000                                                                              | 68.4                                                                                  | 189.8                                                                                | 113,100                                                                              | 71.0                                                                                    | 190.9                                                                                  | 113,200                                                                                | 54                                                                                     |
| 55                                                                                   | 66.6                                                                                  | 188.5                                                                                | 106,300                                                                              | 68.1                                                                                  | 189.4                                                                                | 111,300                                                                              | 70.5                                                                                    | 190.5                                                                                  | 110,500                                                                                | 55                                                                                     |
| 60                                                                                   | 63.7                                                                                  | 186.1                                                                                | 98,800                                                                               | 65.3                                                                                  | 187.2                                                                                | 100,900                                                                              | 67.7                                                                                    | 188.6                                                                                  | 98,700                                                                                 | 60                                                                                     |
| 64                                                                                   | 60.6                                                                                  | 183.9                                                                                | 92,500                                                                               | 62.6                                                                                  | 185.2                                                                                | 93,000                                                                               | 64.6                                                                                    | 186.7                                                                                  | 90,900                                                                                 | 64                                                                                     |
| 65                                                                                   | 60.7                                                                                  | 183.4                                                                                | 90,900                                                                               | 62.4                                                                                  | 184.7                                                                                | 91,000                                                                               | 64.8                                                                                    | 186.3                                                                                  | 89,000                                                                                 | 65                                                                                     |
| 70                                                                                   | 57.6                                                                                  | 180.3                                                                                | 82,100                                                                               | 59.4                                                                                  | 181.8                                                                                | 82,700                                                                               | 61.9                                                                                    | 183.7                                                                                  | 80,900                                                                                 | 70                                                                                     |
| 75                                                                                   | 54.5                                                                                  | 176.8                                                                                | 74,800                                                                               | 56.3                                                                                  | 178.6                                                                                | 75,700                                                                               | 58.8                                                                                    | 180.8                                                                                  | 74,000                                                                                 | 75                                                                                     |
| 79                                                                                   | 51.6                                                                                  | 173.7                                                                                | 69,700                                                                               | 53.6                                                                                  | 175.7                                                                                | 70,900                                                                               | 55.6                                                                                    | 178.1                                                                                  | 69,300                                                                                 | 79                                                                                     |
| 80                                                                                   | 51.2                                                                                  | 173.0                                                                                | 68,500                                                                               | 53.0                                                                                  | 175.0                                                                                | 69,700                                                                               | 55.7                                                                                    | 177.5                                                                                  | 68,100                                                                                 | 80                                                                                     |
| 85                                                                                   | 47.7                                                                                  | 168.6                                                                                | 63,000                                                                               | 49.7                                                                                  | 170.9                                                                                | 64,500                                                                               | 52.5                                                                                    | 173.8                                                                                  | 63,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 44.1                                                                                  | 163.6                                                                                | 58,300                                                                               | 46.1                                                                                  | 166.2                                                                                | 59,900                                                                               | 49.1                                                                                    | 169.6                                                                                  | 58,500                                                                                 | 90                                                                                     |
| 94                                                                                   | 40.8                                                                                  | 159.1                                                                                | 54,900                                                                               | 42.8                                                                                  | 162.0                                                                                | 56,700                                                                               | 45.8                                                                                    | 165.8                                                                                  | 55,400                                                                                 | 94                                                                                     |
| 95                                                                                   | 40.1                                                                                  | 157.9                                                                                | 54,100                                                                               | 42.3                                                                                  | 161.0                                                                                | 55,900                                                                               | 45.5                                                                                    | 164.9                                                                                  | 54,600                                                                                 | 95                                                                                     |
| 100                                                                                  | 35.8                                                                                  | 151.4                                                                                | 50,400                                                                               | 38.3                                                                                  | 154.9                                                                                | 52,300                                                                               | 41.7                                                                                    | 159.5                                                                                  | 51,100                                                                                 | 100                                                                                    |
| 105                                                                                  | 31.0                                                                                  | 143.6                                                                                | 47,100                                                                               | 33.8                                                                                  | 147.9                                                                                | 48,800                                                                               | 37.5                                                                                    | 153.3                                                                                  | 47,900                                                                                 | 105                                                                                    |
| 109                                                                                  | 26.0                                                                                  | 135.9                                                                                | 44,700                                                                               | 29.0                                                                                  | 141.1                                                                                | 46,300                                                                               | 33.0                                                                                    | 147.5                                                                                  | 45,600                                                                                 | 109                                                                                    |
| 110                                                                                  | 25.4                                                                                  | 134.0                                                                                | 44,100                                                                               | 28.6                                                                                  | 139.4                                                                                | 45,700                                                                               | 32.9                                                                                    | 146.0                                                                                  | 45,000                                                                                 | 110                                                                                    |
| 115                                                                                  | 18.1                                                                                  | 121.0                                                                                | 39,800                                                                               | 22.4                                                                                  | 128.6                                                                                | 42,800                                                                               | 27.7                                                                                    | 137.3                                                                                  | 42,400                                                                                 | 115                                                                                    |
| 120                                                                                  | 2.4                                                                                   | 91.3                                                                                 | 28,800                                                                               | 13.7                                                                                  | 112.6                                                                                | 37,300                                                                               | 21.2                                                                                    | 125.9                                                                                  | 40,100                                                                                 | 120                                                                                    |
| 122                                                                                  |                                                                                       |                                                                                      |                                                                                      | 7.7                                                                                   | 101.3                                                                                | 33,000                                                                               | 17.0                                                                                    | 118.8                                                                                  | 39,000                                                                                 | 122                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 11.6                                                                                    | 108.1                                                                                  | 37,300                                                                                 | 125                                                                                    |
| 126                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 8.4                                                                                     | 102.0                                                                                  | 35,000                                                                                 | 126                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 131                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 131                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 137                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 137                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 144                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 144                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |

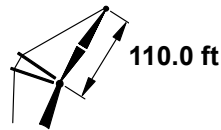
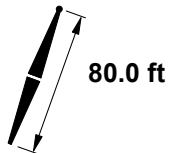


# MLC250 S-2

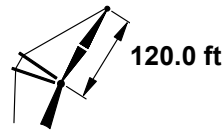
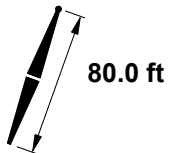
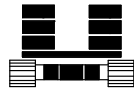
ASME B30.5



184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  | 67.7 | 187.9 | 88,700 |      |       |        |      |       |        |      |       |        | 64  |
| 65  | 67.2 | 187.5 | 87,000 |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 64.3 | 185.1 | 79,000 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 61.3 | 182.5 | 72,300 |      |       |        |      |       |        |      |       |        | 75  |
| 79  | 58.6 | 180.1 | 67,700 | 63.0 | 182.3 | 65,000 |      |       |        |      |       |        | 79  |
| 80  | 58.3 | 179.5 | 66,500 | 62.4 | 181.8 | 64,000 |      |       |        |      |       |        | 80  |
| 85  | 55.2 | 176.1 | 61,600 | 59.4 | 178.9 | 59,100 |      |       |        |      |       |        | 85  |
| 90  | 51.9 | 172.3 | 57,200 | 56.3 | 175.7 | 54,900 |      |       |        |      |       |        | 90  |
| 94  | 48.6 | 168.9 | 54,100 | 53.6 | 172.8 | 51,900 | 57.9 | 175.1 | 49,800 |      |       |        | 94  |
| 95  | 48.5 | 168.1 | 53,300 | 53.1 | 172.0 | 51,200 | 57.3 | 174.5 | 49,100 |      |       |        | 95  |
| 100 | 44.9 | 163.2 | 49,900 | 49.7 | 167.9 | 47,900 | 54.1 | 171.0 | 45,900 |      |       |        | 100 |
| 105 | 41.0 | 157.7 | 46,800 | 46.2 | 163.3 | 44,900 | 50.8 | 167.0 | 43,000 |      |       |        | 105 |
| 109 | 36.8 | 152.7 | 44,500 | 42.8 | 159.1 | 42,700 | 47.6 | 163.5 | 41,000 | 52.4 | 166.1 | 39,200 | 109 |
| 110 | 36.8 | 151.4 | 44,000 | 42.4 | 158.1 | 42,200 | 47.3 | 162.6 | 40,400 | 51.7 | 165.3 | 38,700 | 110 |
| 115 | 32.1 | 143.9 | 41,400 | 38.3 | 152.0 | 39,800 | 43.6 | 157.5 | 38,100 | 48.3 | 161.0 | 36,500 | 115 |
| 120 | 26.7 | 134.8 | 39,100 | 33.8 | 145.0 | 37,500 | 39.7 | 151.8 | 36,000 | 44.7 | 156.1 | 34,400 | 120 |
| 122 | 23.2 | 130.0 | 38,300 | 31.0 | 141.6 | 36,700 | 37.4 | 149.1 | 35,200 | 42.4 | 153.9 | 33,700 | 122 |
| 125 | 19.9 | 122.7 | 37,000 | 28.7 | 136.5 | 35,500 | 35.3 | 145.1 | 34,000 | 40.8 | 150.6 | 32,500 | 125 |
| 126 | 16.8 | 118.6 | 36,600 | 26.8 | 134.4 | 35,100 | 34.0 | 143.5 | 33,600 | 39.2 | 149.3 | 32,200 | 126 |
| 130 | 8.8  | 102.2 | 34,900 | 22.5 | 125.8 | 33,600 | 30.4 | 137.2 | 32,200 | 36.5 | 144.2 | 30,800 | 130 |
| 131 | 3.3  | 91.6  | 33,300 | 20.2 | 122.6 | 33,200 | 28.8 | 135.2 | 31,800 | 35.0 | 142.7 | 30,500 | 131 |
| 135 |      |       |        | 13.8 | 109.9 | 31,800 | 24.6 | 127.3 | 30,500 | 31.8 | 136.6 | 29,200 | 135 |
| 137 |      |       |        | 8.0  | 98.8  | 31,100 | 21.2 | 121.8 | 29,900 | 29.0 | 132.9 | 28,600 | 137 |
| 140 |      |       |        |      |       |        | 17.1 | 113.7 | 28,900 | 26.3 | 127.4 | 27,700 | 140 |
| 144 |      |       |        |      |       |        | 6.1  | 92.9  | 27,600 | 20.4 | 117.6 | 26,500 | 144 |
| 145 |      |       |        |      |       |        |      |       |        | 19.5 | 115.2 | 26,300 | 145 |
| 150 |      |       |        |      |       |        |      |       |        | 7.8  | 93.4  | 24,900 | 150 |



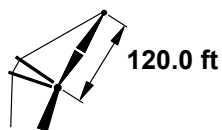
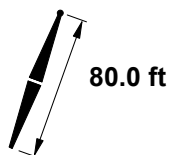
|     | 88°  |       |           | 86°  |       |         | 83°  |       |         |     |
|-----|------|-------|-----------|------|-------|---------|------|-------|---------|-----|
|     |      |       |           |      |       |         |      |       |         |     |
|     | ft   | ft    | lb        | ft   | lb    | ft      | lb   | ft    | ft      |     |
| 41  | 75.7 | 204.0 | 126,800 b |      |       |         |      |       |         | 41  |
| 45  | 73.7 | 202.9 | 120,000   |      |       |         |      |       |         | 45  |
| 48  | 71.8 | 201.9 | 115,000   | 73.6 | 202.6 | 120,000 |      |       |         | 48  |
| 50  | 71.2 | 201.2 | 111,600   | 72.6 | 201.9 | 116,700 |      |       |         | 50  |
| 55  | 68.6 | 199.3 | 103,600   | 70.0 | 200.2 | 108,500 |      |       |         | 55  |
| 58  | 66.8 | 198.0 | 99,300    | 68.2 | 199.0 | 103,700 | 70.6 | 200.1 | 102,700 | 58  |
| 60  | 66.0 | 197.2 | 96,500    | 67.5 | 198.2 | 100,500 | 69.6 | 199.3 | 98,200  | 60  |
| 65  | 63.4 | 194.7 | 90,200    | 64.9 | 195.9 | 90,600  | 67.0 | 197.3 | 88,500  | 65  |
| 68  | 61.2 | 193.1 | 85,100    | 62.8 | 194.4 | 85,600  | 65.2 | 195.9 | 83,700  | 68  |
| 70  | 60.6 | 192.0 | 81,700    | 62.2 | 193.3 | 82,300  | 64.4 | 195.0 | 80,400  | 70  |
| 75  | 57.8 | 189.0 | 74,300    | 59.4 | 190.5 | 75,300  | 61.7 | 192.4 | 73,600  | 75  |
| 80  | 55.0 | 185.6 | 68,000    | 56.6 | 187.3 | 69,300  | 58.9 | 189.4 | 67,700  | 80  |
| 84  | 51.6 | 182.5 | 63,700    | 53.6 | 184.4 | 65,200  | 56.4 | 186.8 | 63,600  | 84  |
| 85  | 52.0 | 181.8 | 62,600    | 53.6 | 183.7 | 64,100  | 56.1 | 186.2 | 62,600  | 85  |
| 90  | 48.8 | 177.5 | 57,800    | 50.6 | 179.7 | 59,500  | 53.1 | 182.6 | 58,100  | 90  |
| 95  | 45.6 | 172.8 | 53,600    | 47.4 | 175.3 | 55,500  | 50.1 | 178.5 | 54,200  | 95  |
| 100 | 42.1 | 167.5 | 49,900    | 44.0 | 170.3 | 51,900  | 46.9 | 174.0 | 50,700  | 100 |
| 105 | 38.3 | 161.4 | 46,600    | 40.4 | 164.7 | 48,400  | 43.4 | 168.9 | 47,500  | 105 |
| 110 | 34.2 | 154.5 | 43,600    | 36.6 | 158.3 | 45,200  | 39.8 | 163.1 | 44,700  | 110 |
| 115 | 29.6 | 146.2 | 40,900    | 32.3 | 150.8 | 42,400  | 35.9 | 156.6 | 42,100  | 115 |
| 120 | 24.2 | 136.1 | 38,500    | 27.4 | 141.8 | 39,800  | 31.5 | 148.9 | 39,800  | 120 |
| 125 | 17.3 | 122.5 | 34,700    | 21.4 | 130.5 | 37,500  | 26.5 | 139.6 | 37,600  | 125 |
| 130 | 2.2  | 91.4  | 25,100    | 13.1 | 113.8 | 32,600  | 20.3 | 127.7 | 35,600  | 130 |
| 132 |      |       |           | 7.4  | 101.9 | 28,900  | 16.4 | 120.2 | 34,400  | 132 |
| 135 |      |       |           |      |       |         | 11.1 | 109.1 | 32,700  | 135 |
| 136 |      |       |           |      |       |         | 8.0  | 102.7 | 30,700  | 136 |
| 140 |      |       |           |      |       |         |      |       |         | 140 |
| 141 |      |       |           |      |       |         |      |       |         | 141 |
| 145 |      |       |           |      |       |         |      |       |         | 145 |
| 147 |      |       |           |      |       |         |      |       |         | 147 |
| 150 |      |       |           |      |       |         |      |       |         | 150 |
| 154 |      |       |           |      |       |         |      |       |         | 154 |
| 155 |      |       |           |      |       |         |      |       |         | 155 |
| 160 |      |       |           |      |       |         |      |       |         | 160 |

# MLC250 S-2

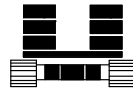
ASME B30.5



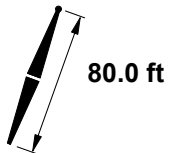
184,600 lb  
+  
44,000 lb



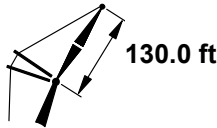
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  | 67.6 | 197.0 | 81,600 |      |       |        |      |       |        |      |       |        | 68  |
| 70  | 66.6 | 196.2 | 78,600 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 63.9 | 193.8 | 71,900 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 61.2 | 191.1 | 66,100 |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 58.6 | 188.8 | 62,100 | 62.7 | 191.0 | 59,500 |      |       |        |      |       |        | 84  |
| 85  | 58.5 | 188.2 | 61,100 | 62.2 | 190.4 | 58,600 |      |       |        |      |       |        | 85  |
| 90  | 55.6 | 184.8 | 56,700 | 59.4 | 187.6 | 54,400 |      |       |        |      |       |        | 90  |
| 95  | 52.6 | 181.1 | 52,900 | 56.6 | 184.4 | 50,700 |      |       |        |      |       |        | 95  |
| 100 | 49.5 | 177.0 | 49,400 | 53.7 | 180.8 | 47,400 | 57.5 | 183.1 | 45,400 |      |       |        | 100 |
| 105 | 46.3 | 172.4 | 46,400 | 50.6 | 176.8 | 44,400 | 54.6 | 179.7 | 42,500 |      |       |        | 105 |
| 110 | 42.8 | 167.2 | 43,600 | 47.4 | 172.4 | 41,700 | 51.6 | 175.9 | 39,900 |      |       |        | 110 |
| 115 | 39.1 | 161.3 | 41,100 | 44.1 | 167.4 | 39,300 | 48.5 | 171.6 | 37,600 | 52.5 | 174.1 | 35,900 | 115 |
| 120 | 35.1 | 154.6 | 38,800 | 40.5 | 161.8 | 37,100 | 45.2 | 166.8 | 35,500 | 49.4 | 169.9 | 33,900 | 120 |
| 125 | 30.7 | 146.6 | 36,700 | 36.6 | 155.4 | 35,100 | 41.7 | 161.4 | 33,500 | 46.1 | 165.3 | 32,000 | 125 |
| 130 | 25.5 | 137.0 | 34,700 | 32.3 | 147.9 | 33,200 | 37.9 | 155.2 | 31,700 | 42.6 | 160.1 | 30,300 | 130 |
| 132 | 22.2 | 132.0 | 34,000 | 30.0 | 144.3 | 32,500 | 35.4 | 152.4 | 31,100 | 40.4 | 157.7 | 29,700 | 132 |
| 135 | 19.0 | 124.4 | 32,900 | 27.4 | 139.0 | 31,500 | 33.7 | 148.1 | 30,100 | 38.9 | 154.2 | 28,700 | 135 |
| 136 | 16.0 | 120.1 | 32,500 | 25.8 | 136.7 | 31,200 | 32.2 | 146.5 | 29,800 | 37.2 | 152.8 | 28,400 | 136 |
| 140 | 8.4  | 102.9 | 31,200 | 21.5 | 127.7 | 29,900 | 29.1 | 139.7 | 28,500 | 34.9 | 147.3 | 27,200 | 140 |
| 141 | 3.1  | 91.8  | 29,300 | 19.4 | 124.3 | 29,600 | 27.8 | 137.7 | 28,300 | 33.2 | 145.7 | 27,000 | 141 |
| 145 |      |       |        | 13.2 | 111.0 | 28,300 | 23.6 | 129.3 | 27,100 | 30.4 | 139.4 | 25,900 | 145 |
| 147 |      |       |        | 7.6  | 99.4  | 27,700 | 20.2 | 123.6 | 26,600 | 28.0 | 135.5 | 25,300 | 147 |
| 150 |      |       |        |      |       |        | 16.3 | 115.1 | 25,700 | 25.2 | 129.6 | 24,600 | 150 |
| 154 |      |       |        |      |       |        | 5.8  | 93.3  | 24,600 | 19.4 | 119.3 | 23,600 | 154 |
| 155 |      |       |        |      |       |        |      |       |        | 18.6 | 116.8 | 23,300 | 155 |
| 160 |      |       |        |      |       |        |      |       |        | 7.5  | 94.0  | 22,100 | 160 |



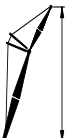
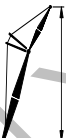
184,600 lb  
+  
44,000 lb



80.0 ft



130.0 ft

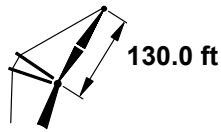
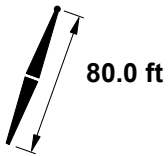
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 43                                                                                | 75.9                                                                                  | 213.8                                                                             | 114,700 <b>b</b>                                                                  |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 43                                                                                  |
| 45                                                                                | 75.0                                                                                  | 213.3                                                                             | 114,100                                                                           |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 45                                                                                  |
| 50                                                                                | 72.7                                                                                  | 211.8                                                                             | 108,300                                                                           | 74.0                                                                                  | 212.4                                                                             | 112,700                                                                           |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 70.3                                                                                  | 210.0                                                                             | 101,100                                                                           | 71.6                                                                                  | 210.8                                                                             | 105,700                                                                           |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 68.0                                                                                  | 208.1                                                                             | 94,400                                                                            | 69.3                                                                                  | 209.0                                                                             | 98,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 61                                                                                | 66.6                                                                                  | 207.6                                                                             | 93,200                                                                            | 68.4                                                                                  | 208.6                                                                             | 97,000                                                                            | 70.8                                                                                    | 209.6                                                                               | 95,800                                                                              | 61                                                                                  |
| 65                                                                                | 65.6                                                                                  | 205.9                                                                             | 88,400                                                                            | 66.9                                                                                  | 206.9                                                                             | 90,300                                                                            | 68.9                                                                                    | 208.1                                                                               | 88,200                                                                              | 65                                                                                  |
| 70                                                                                | 63.1                                                                                  | 203.4                                                                             | 81,900                                                                            | 64.5                                                                                  | 204.6                                                                             | 82,000                                                                            | 66.5                                                                                    | 206.0                                                                               | 80,100                                                                              | 70                                                                                  |
| 71                                                                                | 62.4                                                                                  | 202.9                                                                             | 80,400                                                                            | 63.6                                                                                  | 204.1                                                                             | 80,600                                                                            | 65.6                                                                                    | 205.5                                                                               | 78,700                                                                              | 71                                                                                  |
| 75                                                                                | 60.6                                                                                  | 200.7                                                                             | 74,400                                                                            | 62.0                                                                                  | 202.0                                                                             | 75,000                                                                            | 64.1                                                                                    | 203.7                                                                               | 73,300                                                                              | 75                                                                                  |
| 80                                                                                | 58.0                                                                                  | 197.6                                                                             | 68,000                                                                            | 59.5                                                                                  | 199.1                                                                             | 69,000                                                                            | 61.6                                                                                    | 201.0                                                                               | 67,400                                                                              | 80                                                                                  |
| 85                                                                                | 55.4                                                                                  | 194.3                                                                             | 62,500                                                                            | 56.9                                                                                  | 196.0                                                                             | 63,800                                                                            | 59.0                                                                                    | 198.1                                                                               | 62,300                                                                              | 85                                                                                  |
| 88                                                                                | 53.2                                                                                  | 192.0                                                                             | 59,600                                                                            | 54.8                                                                                  | 193.9                                                                             | 61,100                                                                            | 57.2                                                                                    | 196.2                                                                               | 59,600                                                                              | 88                                                                                  |
| 90                                                                                | 52.6                                                                                  | 190.6                                                                             | 57,700                                                                            | 54.2                                                                                  | 192.5                                                                             | 59,300                                                                            | 56.4                                                                                    | 194.9                                                                               | 57,800                                                                              | 90                                                                                  |
| 95                                                                                | 49.8                                                                                  | 186.5                                                                             | 53,500                                                                            | 51.4                                                                                  | 188.6                                                                             | 55,200                                                                            | 53.7                                                                                    | 191.3                                                                               | 53,900                                                                              | 95                                                                                  |
| 100                                                                               | 46.8                                                                                  | 181.9                                                                             | 49,800                                                                            | 48.5                                                                                  | 184.3                                                                             | 51,600                                                                            | 50.9                                                                                    | 187.4                                                                               | 50,400                                                                              | 100                                                                                 |
| 105                                                                               | 43.7                                                                                  | 176.9                                                                             | 46,400                                                                            | 45.4                                                                                  | 179.5                                                                             | 48,200                                                                            | 48.0                                                                                    | 183.0                                                                               | 47,200                                                                              | 105                                                                                 |
| 110                                                                               | 40.3                                                                                  | 171.2                                                                             | 43,400                                                                            | 42.2                                                                                  | 174.2                                                                             | 45,000                                                                            | 44.9                                                                                    | 178.1                                                                               | 44,400                                                                              | 110                                                                                 |
| 115                                                                               | 36.7                                                                                  | 164.8                                                                             | 40,700                                                                            | 38.8                                                                                  | 168.2                                                                             | 42,200                                                                            | 41.6                                                                                    | 172.7                                                                               | 41,800                                                                              | 115                                                                                 |
| 120                                                                               | 32.8                                                                                  | 157.4                                                                             | 38,200                                                                            | 35.0                                                                                  | 161.4                                                                             | 39,600                                                                            | 38.2                                                                                    | 166.6                                                                               | 39,500                                                                              | 120                                                                                 |
| 121                                                                               | 31.2                                                                                  | 155.7                                                                             | 37,800                                                                            | 34.0                                                                                  | 159.8                                                                             | 39,100                                                                            | 37.2                                                                                    | 165.2                                                                               | 39,100                                                                              | 121                                                                                 |
| 125                                                                               | 28.4                                                                                  | 148.8                                                                             | 36,000                                                                            | 30.9                                                                                  | 153.6                                                                             | 37,200                                                                            | 34.4                                                                                    | 159.7                                                                               | 37,400                                                                              | 125                                                                                 |
| 130                                                                               | 23.2                                                                                  | 138.2                                                                             | 33,900                                                                            | 26.2                                                                                  | 144.2                                                                             | 35,000                                                                            | 30.2                                                                                    | 151.6                                                                               | 35,400                                                                              | 130                                                                                 |
| 135                                                                               | 16.6                                                                                  | 123.9                                                                             | 30,600                                                                            | 20.6                                                                                  | 132.3                                                                             | 33,100                                                                            | 25.4                                                                                    | 141.8                                                                               | 33,600                                                                              | 135                                                                                 |
| 140                                                                               | 2.1                                                                                   | 91.6                                                                              | 22,100                                                                            | 12.6                                                                                  | 114.8                                                                             | 28,700                                                                            | 19.4                                                                                    | 129.4                                                                               | 31,800                                                                              | 140                                                                                 |
| 142                                                                               |                                                                                       |                                                                                   |                                                                                   | 7.1                                                                                   | 102.5                                                                             | 25,400                                                                            | 15.4                                                                                    | 121.6                                                                               | 30,700                                                                              | 142                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.6                                                                                    | 110.0                                                                               | 28,900                                                                              | 145                                                                                 |
| 146                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.6                                                                                     | 103.3                                                                               | 27,100                                                                              | 146                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 150                                                                                 |
| 151                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 151                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 155                                                                                 |
| 157                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 157                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 164                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 164                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |

# MLC250 S-2

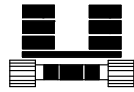
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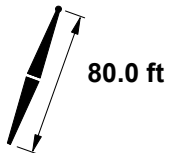
184,600 lb  
+  
44,000 lb



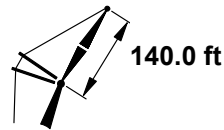
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 43  |      |       |        |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  | 68.0 | 206.6 | 76,800 |      |       |        |      |       |        |      |       |        | 71  |
| 75  | 66.1 | 204.9 | 71,500 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 63.6 | 202.5 | 65,800 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 61.1 | 199.8 | 60,800 |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 59.2 | 198.0 | 58,200 | 63.0 | 200.1 | 55,700 |      |       |        |      |       |        | 88  |
| 90  | 58.6 | 196.8 | 56,400 | 62.0 | 199.1 | 54,100 |      |       |        |      |       |        | 90  |
| 95  | 55.9 | 193.5 | 52,500 | 59.5 | 196.2 | 50,300 |      |       |        |      |       |        | 95  |
| 100 | 53.2 | 189.9 | 49,100 | 56.9 | 193.0 | 47,000 |      |       |        |      |       |        | 100 |
| 105 | 50.4 | 185.9 | 46,000 | 54.2 | 189.5 | 44,100 | 57.7 | 191.8 | 42,100 |      |       |        | 105 |
| 110 | 47.4 | 181.4 | 43,300 | 51.4 | 185.7 | 41,400 | 55.1 | 188.4 | 39,600 |      |       |        | 110 |
| 115 | 44.3 | 176.5 | 40,800 | 48.5 | 181.4 | 39,000 | 52.3 | 184.7 | 37,200 |      |       |        | 115 |
| 120 | 41.1 | 171.0 | 38,500 | 45.5 | 176.6 | 36,800 | 49.4 | 180.5 | 35,100 |      |       |        | 120 |
| 121 | 40.2 | 169.7 | 38,100 | 44.4 | 175.5 | 36,400 | 48.4 | 179.6 | 34,700 | 52.5 | 182.1 | 33,100 | 121 |
| 125 | 37.5 | 164.7 | 36,400 | 42.2 | 171.3 | 34,800 | 46.4 | 175.9 | 33,200 | 50.2 | 178.8 | 31,600 | 125 |
| 130 | 33.7 | 157.6 | 34,500 | 38.8 | 165.3 | 32,900 | 43.3 | 170.8 | 31,400 | 47.3 | 174.4 | 29,900 | 130 |
| 135 | 29.4 | 149.3 | 32,700 | 35.1 | 158.5 | 31,200 | 39.9 | 165.0 | 29,800 | 44.2 | 169.4 | 28,400 | 135 |
| 140 | 24.4 | 139.2 | 31,000 | 31.0 | 150.7 | 29,600 | 36.3 | 158.5 | 28,200 | 40.9 | 163.8 | 26,900 | 140 |
| 142 | 21.6 | 133.9 | 30,400 | 28.4 | 146.9 | 29,000 | 34.4 | 155.5 | 27,700 | 38.8 | 161.3 | 26,300 | 142 |
| 145 | 18.2 | 126.0 | 29,500 | 26.3 | 141.3 | 28,200 | 32.3 | 151.0 | 26,800 | 37.3 | 157.5 | 25,500 | 145 |
| 146 | 16.0 | 121.5 | 29,200 | 24.8 | 138.9 | 27,900 | 31.0 | 149.3 | 26,600 | 36.2 | 156.1 | 25,300 | 146 |
| 150 | 8.1  | 103.6 | 28,000 | 20.6 | 129.5 | 26,800 | 27.9 | 142.2 | 25,500 | 33.5 | 150.4 | 24,300 | 150 |
| 151 | 3.0  | 92.0  | 26,000 | 18.4 | 126.0 | 26,500 | 26.0 | 140.0 | 25,300 | 32.2 | 148.7 | 24,000 | 151 |
| 155 |      |       |        | 12.7 | 112.1 | 25,400 | 22.6 | 131.3 | 24,300 | 29.2 | 142.0 | 23,100 | 155 |
| 157 |      |       |        | 7.3  | 100.0 | 24,900 | 19.2 | 125.4 | 23,800 | 27.0 | 137.9 | 22,600 | 157 |
| 160 |      |       |        |      |       |        | 15.7 | 116.4 | 23,100 | 24.2 | 131.7 | 22,000 | 160 |
| 164 |      |       |        |      |       |        | 5.5  | 93.8  | 22,100 | 18.4 | 121.0 | 21,100 | 164 |
| 165 |      |       |        |      |       |        |      |       |        | 17.8 | 118.3 | 20,900 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 7.1  | 94.6  | 19,800 | 170 |



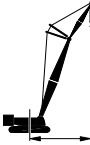
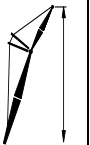
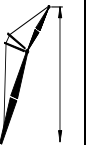
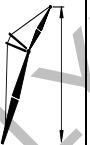
184,600 lb  
+  
44,000 lb



80.0 ft



140.0 ft

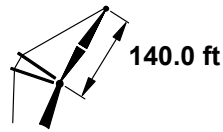
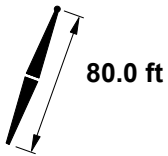
|     | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |         | <br>83° |                                                                                           |                                                                                           |  |
|-----|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
|     | <br>ft  | <br>ft | <br>lb | <br>ft  | <br>lb |         | <br>ft   | <br>lb | <br>ft |  |
| 46  | 75.7                                                                                     | 223.4                                                                                   | 101,800                                                                                 |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 46                                                                                        |  |
| 50  | 74.0                                                                                     | 222.2                                                                                   | 100,800                                                                                 |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 50                                                                                        |  |
| 53  | 71.8                                                                                     | 221.3                                                                                   | 99,300                                                                                  | 73.9                                                                                     | 222.0                                                                                   | 104,700 |                                                                                            |                                                                                           | 53                                                                                        |  |
| 55  | 71.8                                                                                     | 220.7                                                                                   | 98,200                                                                                  | 73.0                                                                                     | 221.3                                                                                   | 102,300 |                                                                                            |                                                                                           | 55                                                                                        |  |
| 60  | 69.6                                                                                     | 218.8                                                                                   | 91,900                                                                                  | 70.8                                                                                     | 219.7                                                                                   | 96,100  |                                                                                            |                                                                                           | 60                                                                                        |  |
| 64  | 67.4                                                                                     | 217.2                                                                                   | 87,400                                                                                  | 68.4                                                                                     | 218.1                                                                                   | 91,100  | 70.9                                                                                       | 219.2                                                                                     | 64                                                                                        |  |
| 65  | 67.4                                                                                     | 216.8                                                                                   | 86,300                                                                                  | 68.7                                                                                     | 217.8                                                                                   | 89,900  | 70.5                                                                                       | 218.8                                                                                     | 65                                                                                        |  |
| 70  | 65.2                                                                                     | 214.6                                                                                   | 81,100                                                                                  | 66.4                                                                                     | 215.6                                                                                   | 81,600  | 68.3                                                                                       | 216.9                                                                                     | 70                                                                                        |  |
| 75  | 62.9                                                                                     | 212.1                                                                                   | 74,000                                                                                  | 64.2                                                                                     | 213.3                                                                                   | 74,600  | 66.1                                                                                       | 214.7                                                                                     | 75                                                                                        |  |
| 80  | 60.6                                                                                     | 209.3                                                                                   | 67,600                                                                                  | 61.9                                                                                     | 210.7                                                                                   | 68,600  | 63.8                                                                                       | 212.3                                                                                     | 80                                                                                        |  |
| 85  | 58.2                                                                                     | 206.3                                                                                   | 62,100                                                                                  | 59.5                                                                                     | 207.8                                                                                   | 63,400  | 61.5                                                                                       | 209.7                                                                                     | 85                                                                                        |  |
| 90  | 55.7                                                                                     | 203.0                                                                                   | 57,300                                                                                  | 57.1                                                                                     | 204.7                                                                                   | 58,900  | 59.1                                                                                       | 206.8                                                                                     | 90                                                                                        |  |
| 93  | 53.8                                                                                     | 200.8                                                                                   | 54,700                                                                                  | 55.2                                                                                     | 202.6                                                                                   | 56,500  | 57.2                                                                                       | 204.9                                                                                     | 93                                                                                        |  |
| 95  | 53.2                                                                                     | 199.3                                                                                   | 53,000                                                                                  | 54.6                                                                                     | 201.2                                                                                   | 54,800  | 56.7                                                                                       | 203.6                                                                                     | 95                                                                                        |  |
| 100 | 50.6                                                                                     | 195.3                                                                                   | 49,300                                                                                  | 52.0                                                                                     | 197.4                                                                                   | 51,300  | 54.2                                                                                       | 200.1                                                                                     | 100                                                                                       |  |
| 105 | 47.8                                                                                     | 190.9                                                                                   | 45,900                                                                                  | 49.4                                                                                     | 193.2                                                                                   | 47,700  | 51.6                                                                                       | 196.2                                                                                     | 105                                                                                       |  |
| 110 | 45.0                                                                                     | 186.1                                                                                   | 42,900                                                                                  | 46.6                                                                                     | 188.6                                                                                   | 44,600  | 48.9                                                                                       | 192.0                                                                                     | 110                                                                                       |  |
| 115 | 42.0                                                                                     | 180.7                                                                                   | 40,200                                                                                  | 43.7                                                                                     | 183.6                                                                                   | 41,700  | 46.1                                                                                       | 187.3                                                                                     | 115                                                                                       |  |
| 120 | 38.8                                                                                     | 174.7                                                                                   | 37,700                                                                                  | 40.6                                                                                     | 177.9                                                                                   | 39,100  | 43.2                                                                                       | 182.1                                                                                     | 120                                                                                       |  |
| 125 | 35.3                                                                                     | 168.0                                                                                   | 35,500                                                                                  | 37.3                                                                                     | 171.6                                                                                   | 36,700  | 40.0                                                                                       | 176.4                                                                                     | 125                                                                                       |  |
| 127 | 33.4                                                                                     | 164.9                                                                                   | 34,700                                                                                  | 35.4                                                                                     | 168.8                                                                                   | 35,800  | 38.4                                                                                       | 173.8                                                                                     | 127                                                                                       |  |
| 130 | 31.6                                                                                     | 160.2                                                                                   | 33,400                                                                                  | 33.7                                                                                     | 164.5                                                                                   | 34,500  | 36.7                                                                                       | 170.0                                                                                     | 130                                                                                       |  |
| 135 | 27.3                                                                                     | 151.2                                                                                   | 31,600                                                                                  | 29.8                                                                                     | 156.2                                                                                   | 32,600  | 33.1                                                                                       | 162.6                                                                                     | 135                                                                                       |  |
| 140 | 22.4                                                                                     | 140.1                                                                                   | 29,800                                                                                  | 25.3                                                                                     | 146.4                                                                                   | 30,700  | 29.1                                                                                       | 154.2                                                                                     | 140                                                                                       |  |
| 145 | 16.0                                                                                     | 125.3                                                                                   | 26,800                                                                                  | 19.8                                                                                     | 134.0                                                                                   | 29,100  | 24.4                                                                                       | 144.0                                                                                     | 145                                                                                       |  |
| 150 | 2.0                                                                                      | 91.7                                                                                    | 19,200                                                                                  | 12.1                                                                                     | 115.8                                                                                   | 25,200  | 18.7                                                                                       | 131.0                                                                                     | 150                                                                                       |  |
| 152 |                                                                                          |                                                                                         |                                                                                         | 6.8                                                                                      | 103.1                                                                                   | 22,300  | 14.8                                                                                       | 122.9                                                                                     | 152                                                                                       |  |
| 155 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         | 10.2                                                                                       | 110.8                                                                                     | 155                                                                                       |  |
| 156 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         | 7.3                                                                                        | 103.9                                                                                     | 156                                                                                       |  |
| 160 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 160                                                                                       |  |
| 161 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 161                                                                                       |  |
| 165 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 165                                                                                       |  |
| 167 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 167                                                                                       |  |
| 170 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 170                                                                                       |  |
| 174 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 174                                                                                       |  |
| 175 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 175                                                                                       |  |
| 180 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 180                                                                                       |  |

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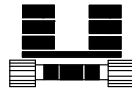
ASME B30.5



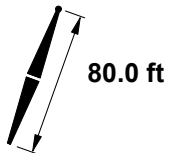
184,600 lb  
+  
44,000 lb



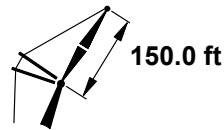
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 67.9 | 215.8 | 71,000 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 65.7 | 213.6 | 65,300 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 63.4 | 211.2 | 60,300 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 61.1 | 208.5 | 55,900 |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 59.2 | 206.7 | 53,600 | 62.8 | 208.8 | 51,300 |      |       |        |      |       |        | 93  |
| 95  | 58.7 | 205.5 | 52,100 | 61.9 | 207.7 | 49,800 |      |       |        |      |       |        | 95  |
| 100 | 56.2 | 202.2 | 48,700 | 59.5 | 204.9 | 46,500 |      |       |        |      |       |        | 100 |
| 105 | 53.7 | 198.7 | 45,600 | 57.1 | 201.7 | 43,600 |      |       |        |      |       |        | 105 |
| 110 | 51.1 | 194.7 | 42,800 | 54.6 | 198.3 | 40,900 | 57.9 | 200.5 | 39,000 |      |       |        | 110 |
| 115 | 48.4 | 190.4 | 40,300 | 52.1 | 194.5 | 38,500 | 55.4 | 197.1 | 36,700 |      |       |        | 115 |
| 120 | 45.6 | 185.7 | 38,100 | 49.4 | 190.3 | 36,300 | 52.9 | 193.4 | 34,600 |      |       |        | 120 |
| 125 | 42.6 | 180.4 | 36,000 | 46.6 | 185.7 | 34,300 | 50.2 | 189.4 | 32,700 |      |       |        | 125 |
| 127 | 40.8 | 178.1 | 35,200 | 44.8 | 183.7 | 33,600 | 48.8 | 187.6 | 32,000 | 52.6 | 190.1 | 30,400 | 127 |
| 130 | 39.5 | 174.6 | 34,100 | 43.7 | 180.7 | 32,500 | 47.5 | 184.9 | 30,900 | 51.0 | 187.7 | 29,400 | 130 |
| 135 | 36.1 | 168.0 | 32,300 | 40.6 | 175.0 | 30,800 | 44.6 | 180.0 | 29,300 | 48.3 | 183.4 | 27,800 | 135 |
| 140 | 32.4 | 160.5 | 30,700 | 37.3 | 168.7 | 29,200 | 41.6 | 174.6 | 27,800 | 45.4 | 178.6 | 26,400 | 140 |
| 145 | 28.3 | 151.8 | 29,100 | 33.8 | 161.6 | 27,700 | 38.4 | 168.5 | 26,400 | 42.5 | 173.3 | 25,000 | 145 |
| 150 | 23.5 | 141.2 | 27,700 | 29.8 | 153.3 | 26,400 | 34.9 | 161.7 | 25,100 | 39.3 | 167.4 | 23,800 | 150 |
| 152 | 20.6 | 135.7 | 27,200 | 27.4 | 149.4 | 25,900 | 32.8 | 158.5 | 24,600 | 37.4 | 164.8 | 23,300 | 152 |
| 155 | 17.5 | 127.5 | 26,300 | 25.3 | 143.5 | 25,100 | 31.1 | 153.8 | 23,800 | 35.9 | 160.8 | 22,600 | 155 |
| 156 | 15.0 | 122.8 | 26,100 | 23.8 | 141.1 | 24,900 | 30.0 | 152.0 | 23,600 | 34.4 | 159.3 | 22,400 | 156 |
| 160 | 7.8  | 104.2 | 25,000 | 19.9 | 131.2 | 23,900 | 26.8 | 144.6 | 22,700 | 32.2 | 153.3 | 21,500 | 160 |
| 161 | 2.8  | 92.2  | 22,800 | 17.6 | 127.6 | 23,700 | 25.0 | 142.3 | 22,500 | 31.2 | 151.5 | 21,300 | 161 |
| 165 |      |       |        | 12.2 | 113.2 | 22,700 | 21.7 | 133.2 | 21,600 | 28.1 | 144.5 | 20,500 | 165 |
| 167 |      |       |        | 7.0  | 100.6 | 22,200 | 18.6 | 127.0 | 21,200 | 26.0 | 140.2 | 20,100 | 167 |
| 170 |      |       |        |      |       |        | 15.1 | 117.7 | 20,600 | 23.2 | 133.8 | 19,500 | 170 |
| 174 |      |       |        |      |       |        | 5.3  | 94.2  | 19,700 | 18.2 | 122.6 | 18,700 | 174 |
| 175 |      |       |        |      |       |        |      |       |        | 17.2 | 119.8 | 18,500 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 6.9  | 95.2  | 17,600 | 180 |



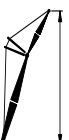
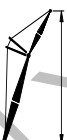
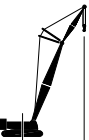
184,600 lb  
+  
44,000 lb



80.0 ft



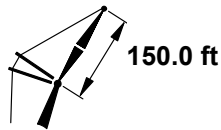
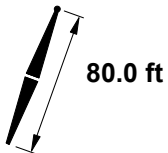
150.0 ft

|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 48                                                                                   | 75.8                                                                                  | 233.2                                                                                | 91,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 48                                                                                     |
| 50                                                                                   | 75.0                                                                                  | 232.6                                                                                | 90,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 73.1                                                                                  | 231.2                                                                                | 89,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 56                                                                                   | 72.6                                                                                  | 230.8                                                                                | 89,200                                                                               | 73.8                                                                                  | 231.5                                                                                | 97,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 56                                                                                     |
| 60                                                                                   | 71.0                                                                                  | 229.5                                                                                | 88,400                                                                               | 72.2                                                                                  | 230.2                                                                                | 93,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 69.0                                                                                  | 227.6                                                                                | 84,100                                                                               | 70.1                                                                                  | 228.5                                                                                | 87,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 67                                                                                   | 67.8                                                                                  | 226.8                                                                                | 82,200                                                                               | 69.2                                                                                  | 227.7                                                                                | 85,300                                                                               | 71.0                                                                                    | 228.7                                                                                  | 84,200                                                                                 | 67                                                                                     |
| 70                                                                                   | 66.9                                                                                  | 225.6                                                                                | 79,200                                                                               | 68.1                                                                                  | 226.5                                                                                | 81,500                                                                               | 69.8                                                                                    | 227.6                                                                                  | 79,500                                                                                 | 70                                                                                     |
| 75                                                                                   | 64.8                                                                                  | 223.3                                                                                | 73,800                                                                               | 66.0                                                                                  | 224.3                                                                                | 74,500                                                                               | 67.7                                                                                    | 225.6                                                                                  | 72,700                                                                                 | 75                                                                                     |
| 79                                                                                   | 62.4                                                                                  | 221.3                                                                                | 68,700                                                                               | 63.6                                                                                  | 222.4                                                                                | 69,700                                                                               | 65.4                                                                                    | 223.9                                                                                  | 68,000                                                                                 | 79                                                                                     |
| 80                                                                                   | 62.7                                                                                  | 220.8                                                                                | 67,400                                                                               | 63.9                                                                                  | 222.0                                                                                | 68,500                                                                               | 65.7                                                                                    | 223.4                                                                                  | 66,800                                                                                 | 80                                                                                     |
| 85                                                                                   | 60.5                                                                                  | 218.0                                                                                | 61,900                                                                               | 61.7                                                                                  | 219.3                                                                                | 63,300                                                                               | 63.5                                                                                    | 221.0                                                                                  | 61,700                                                                                 | 85                                                                                     |
| 90                                                                                   | 58.3                                                                                  | 215.0                                                                                | 57,100                                                                               | 59.5                                                                                  | 216.5                                                                                | 58,700                                                                               | 61.4                                                                                    | 218.4                                                                                  | 57,200                                                                                 | 90                                                                                     |
| 95                                                                                   | 56.0                                                                                  | 211.7                                                                                | 52,800                                                                               | 57.3                                                                                  | 213.3                                                                                | 54,700                                                                               | 59.2                                                                                    | 215.4                                                                                  | 53,300                                                                                 | 95                                                                                     |
| 98                                                                                   | 54.2                                                                                  | 209.5                                                                                | 50,600                                                                               | 55.2                                                                                  | 211.3                                                                                | 52,500                                                                               | 57.2                                                                                    | 213.5                                                                                  | 51,200                                                                                 | 98                                                                                     |
| 100                                                                                  | 53.6                                                                                  | 208.1                                                                                | 49,100                                                                               | 55.0                                                                                  | 209.9                                                                                | 51,100                                                                               | 56.9                                                                                    | 212.3                                                                                  | 49,800                                                                                 | 100                                                                                    |
| 105                                                                                  | 51.2                                                                                  | 204.2                                                                                | 45,700                                                                               | 52.6                                                                                  | 206.2                                                                                | 47,600                                                                               | 54.6                                                                                    | 208.8                                                                                  | 46,700                                                                                 | 105                                                                                    |
| 110                                                                                  | 48.7                                                                                  | 199.9                                                                                | 42,700                                                                               | 50.1                                                                                  | 202.1                                                                                | 44,400                                                                               | 52.2                                                                                    | 205.0                                                                                  | 43,800                                                                                 | 110                                                                                    |
| 115                                                                                  | 46.1                                                                                  | 195.2                                                                                | 40,000                                                                               | 47.6                                                                                  | 197.7                                                                                | 41,500                                                                               | 49.7                                                                                    | 200.9                                                                                  | 41,300                                                                                 | 115                                                                                    |
| 120                                                                                  | 43.4                                                                                  | 190.1                                                                                | 37,600                                                                               | 44.9                                                                                  | 192.8                                                                                | 38,900                                                                               | 47.1                                                                                    | 196.4                                                                                  | 39,000                                                                                 | 120                                                                                    |
| 125                                                                                  | 40.5                                                                                  | 184.4                                                                                | 35,300                                                                               | 42.1                                                                                  | 187.4                                                                                | 36,500                                                                               | 44.4                                                                                    | 191.4                                                                                  | 36,800                                                                                 | 125                                                                                    |
| 130                                                                                  | 37.4                                                                                  | 178.1                                                                                | 33,300                                                                               | 39.1                                                                                  | 181.5                                                                                | 34,400                                                                               | 41.6                                                                                    | 186.0                                                                                  | 34,900                                                                                 | 130                                                                                    |
| 133                                                                                  | 35.2                                                                                  | 173.9                                                                                | 32,100                                                                               | 36.6                                                                                  | 177.5                                                                                | 33,200                                                                               | 39.2                                                                                    | 182.3                                                                                  | 33,800                                                                                 | 133                                                                                    |
| 135                                                                                  | 34.1                                                                                  | 171.0                                                                                | 31,400                                                                               | 36.0                                                                                  | 174.9                                                                                | 32,400                                                                               | 38.6                                                                                    | 179.9                                                                                  | 33,100                                                                                 | 135                                                                                    |
| 140                                                                                  | 30.5                                                                                  | 163.0                                                                                | 29,600                                                                               | 32.5                                                                                  | 167.4                                                                                | 30,600                                                                               | 35.4                                                                                    | 173.2                                                                                  | 31,400                                                                                 | 140                                                                                    |
| 145                                                                                  | 26.4                                                                                  | 153.5                                                                                | 28,000                                                                               | 28.7                                                                                  | 158.8                                                                                | 28,900                                                                               | 31.9                                                                                    | 165.5                                                                                  | 29,900                                                                                 | 145                                                                                    |
| 150                                                                                  | 21.6                                                                                  | 142.0                                                                                | 26,500                                                                               | 24.4                                                                                  | 148.5                                                                                | 27,300                                                                               | 28.0                                                                                    | 156.7                                                                                  | 28,400                                                                                 | 150                                                                                    |
| 155                                                                                  | 15.4                                                                                  | 126.6                                                                                | 23,700                                                                               | 19.1                                                                                  | 135.7                                                                                | 25,900                                                                               | 23.6                                                                                    | 146.1                                                                                  | 27,000                                                                                 | 155                                                                                    |
| 160                                                                                  | 1.9                                                                                   | 91.8                                                                                 | 17,000                                                                               | 11.6                                                                                  | 116.8                                                                                | 22,400                                                                               | 18.1                                                                                    | 132.6                                                                                  | 25,600                                                                                 | 160                                                                                    |
| 162                                                                                  |                                                                                       |                                                                                      |                                                                                      | 6.5                                                                                   | 103.6                                                                                | 19,700                                                                               | 14.4                                                                                    | 124.2                                                                                  | 24,400                                                                                 | 162                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 9.8                                                                                     | 111.7                                                                                  | 22,600                                                                                 | 165                                                                                    |
| 166                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.1                                                                                     | 104.5                                                                                  | 21,200                                                                                 | 166                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 171                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 171                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 175                                                                                    |
| 177                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 177                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 184                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 184                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |

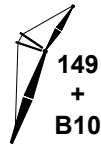




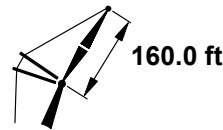
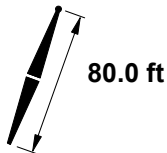
184,600 lb  
+  
44,000 lb

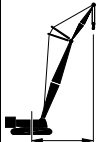
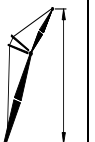
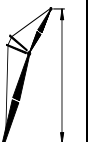


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  | 67.8 | 225.0 | 66,200 |      |       |        |      |       |        |      |       |        | 79  |
| 80  | 67.4 | 224.5 | 65,100 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 65.3 | 222.3 | 60,100 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.2 | 219.8 | 55,800 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 61.0 | 217.1 | 51,900 |      |       |        |      |       |        |      |       |        | 95  |
| 98  | 58.8 | 215.3 | 49,900 | 62.6 | 217.5 | 47,600 |      |       |        |      |       |        | 98  |
| 100 | 58.8 | 214.2 | 48,500 | 61.8 | 216.4 | 46,400 |      |       |        |      |       |        | 100 |
| 105 | 56.5 | 210.9 | 45,400 | 59.6 | 213.5 | 43,400 |      |       |        |      |       |        | 105 |
| 110 | 54.2 | 207.4 | 42,700 | 57.3 | 210.4 | 40,800 |      |       |        |      |       |        | 110 |
| 115 | 51.7 | 203.6 | 40,200 | 55.0 | 207.0 | 38,300 | 58.0 | 209.2 | 36,600 |      |       |        | 115 |
| 120 | 49.3 | 199.4 | 37,900 | 52.6 | 203.3 | 36,200 | 55.7 | 205.8 | 34,400 |      |       |        | 120 |
| 125 | 46.7 | 194.8 | 35,800 | 50.1 | 199.2 | 34,200 | 53.4 | 202.2 | 32,500 |      |       |        | 125 |
| 130 | 44.0 | 189.8 | 33,900 | 47.6 | 194.8 | 32,300 | 50.9 | 198.3 | 30,800 |      |       |        | 130 |
| 133 | 41.8 | 186.4 | 32,900 | 45.2 | 191.8 | 31,300 | 48.8 | 195.7 | 29,800 | 52.6 | 198.1 | 28,300 | 133 |
| 135 | 41.1 | 184.2 | 32,200 | 44.9 | 189.9 | 30,600 | 48.4 | 193.9 | 29,100 | 51.6 | 196.5 | 27,700 | 135 |
| 140 | 38.1 | 178.0 | 30,500 | 42.1 | 184.5 | 29,100 | 45.8 | 189.2 | 27,600 | 49.1 | 192.3 | 26,200 | 140 |
| 145 | 34.8 | 171.2 | 29,000 | 39.2 | 178.6 | 27,600 | 43.0 | 184.0 | 26,200 | 46.5 | 187.7 | 24,900 | 145 |
| 150 | 31.3 | 163.3 | 27,600 | 36.0 | 172.0 | 26,300 | 40.1 | 178.3 | 24,900 | 43.8 | 182.6 | 23,600 | 150 |
| 155 | 27.3 | 154.2 | 26,300 | 32.6 | 164.5 | 25,000 | 37.0 | 171.9 | 23,700 | 40.9 | 177.1 | 22,500 | 155 |
| 160 | 22.7 | 143.2 | 25,000 | 28.8 | 155.9 | 23,800 | 33.7 | 164.7 | 22,600 | 37.9 | 170.9 | 21,400 | 160 |
| 162 | 19.6 | 137.5 | 24,600 | 26.4 | 151.8 | 23,400 | 31.8 | 161.4 | 22,100 | 35.8 | 168.1 | 21,000 | 162 |
| 165 | 16.9 | 129.0 | 23,900 | 24.4 | 145.7 | 22,700 | 30.0 | 156.5 | 21,500 | 34.6 | 163.9 | 20,300 | 165 |
| 166 | 14.2 | 124.1 | 23,600 | 23.0 | 143.1 | 22,500 | 29.0 | 154.6 | 21,300 | 33.4 | 162.4 | 20,100 | 166 |
| 170 | 7.5  | 104.8 | 22,600 | 19.2 | 132.9 | 21,600 | 25.9 | 146.9 | 20,500 | 31.1 | 156.0 | 19,400 | 170 |
| 171 | 2.7  | 92.4  | 20,300 | 17.4 | 129.1 | 21,400 | 24.0 | 144.5 | 20,300 | 30.2 | 154.2 | 19,200 | 171 |
| 175 |      |       |        | 11.8 | 114.2 | 20,600 | 21.0 | 135.1 | 19,500 | 27.1 | 146.9 | 18,500 | 175 |
| 177 |      |       |        | 6.7  | 101.1 | 20,200 | 17.6 | 128.6 | 19,200 | 25.0 | 142.4 | 18,100 | 177 |
| 180 |      |       |        |      |       |        | 14.5 | 119.0 | 18,600 | 22.4 | 135.8 | 17,600 | 180 |
| 184 |      |       |        |      |       |        | 5.1  | 94.6  | 17,800 | 17.2 | 124.1 | 16,900 | 184 |
| 185 |      |       |        |      |       |        |      |       |        | 16.6 | 121.2 | 16,700 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 6.6  | 95.7  | 15,900 | 190 |



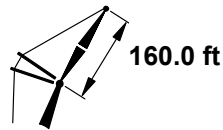
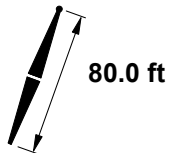
184,600 lb  
+  
44,000 lb



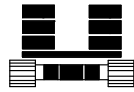
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |      |  ft |  lb |      |  ft |  lb |       |  ft |  lb |  ft |
| 50                                                                                   | 76.0                                                                                  | 243.0                                                                                | 80,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 74.1                                                                                  | 241.6                                                                                | 80,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 59                                                                                   | 72.4                                                                                  | 240.4                                                                                | 79,500                                                                               | 73.7                                                                                  | 241.0                                                                                | 88,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 59                                                                                     |
| 60                                                                                   | 72.3                                                                                  | 240.1                                                                                | 79,400                                                                               | 73.3                                                                                  | 240.7                                                                                | 88,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 70.4                                                                                  | 238.3                                                                                | 78,400                                                                               | 71.4                                                                                  | 239.1                                                                                | 85,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 68.5                                                                                  | 236.4                                                                                | 77,100                                                                               | 69.5                                                                                  | 237.3                                                                                | 80,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 71                                                                                   | 67.6                                                                                  | 236.0                                                                                | 76,300                                                                               | 68.6                                                                                  | 236.9                                                                                | 79,100                                                                               | 70.7                                                                                    | 237.9                                                                                  | 77,600                                                                                 | 71                                                                                     |
| 75                                                                                   | 66.5                                                                                  | 234.3                                                                                | 72,900                                                                               | 67.6                                                                                  | 235.3                                                                                | 74,100                                                                               | 69.2                                                                                    | 236.4                                                                                  | 72,200                                                                                 | 75                                                                                     |
| 80                                                                                   | 64.5                                                                                  | 232.0                                                                                | 67,600                                                                               | 65.6                                                                                  | 233.1                                                                                | 68,100                                                                               | 67.3                                                                                    | 234.4                                                                                  | 66,400                                                                                 | 80                                                                                     |
| 83                                                                                   | 62.8                                                                                  | 230.4                                                                                | 64,200                                                                               | 63.8                                                                                  | 231.6                                                                                | 65,000                                                                               | 65.8                                                                                    | 233.0                                                                                  | 63,300                                                                                 | 83                                                                                     |
| 85                                                                                   | 62.5                                                                                  | 229.4                                                                                | 62,000                                                                               | 63.7                                                                                  | 230.6                                                                                | 62,900                                                                               | 65.3                                                                                    | 232.1                                                                                  | 61,300                                                                                 | 85                                                                                     |
| 90                                                                                   | 60.5                                                                                  | 226.7                                                                                | 57,100                                                                               | 61.6                                                                                  | 228.0                                                                                | 58,300                                                                               | 63.3                                                                                    | 229.7                                                                                  | 56,800                                                                                 | 90                                                                                     |
| 95                                                                                   | 58.4                                                                                  | 223.6                                                                                | 52,800                                                                               | 59.6                                                                                  | 225.1                                                                                | 54,300                                                                               | 61.3                                                                                    | 227.0                                                                                  | 52,900                                                                                 | 95                                                                                     |
| 100                                                                                  | 56.3                                                                                  | 220.4                                                                                | 49,000                                                                               | 57.5                                                                                  | 222.0                                                                                | 50,700                                                                               | 59.2                                                                                    | 224.1                                                                                  | 49,400                                                                                 | 100                                                                                    |
| 102                                                                                  | 55.2                                                                                  | 219.0                                                                                | 47,600                                                                               | 56.2                                                                                  | 220.6                                                                                | 49,400                                                                               | 58.2                                                                                    | 222.8                                                                                  | 48,100                                                                                 | 102                                                                                    |
| 105                                                                                  | 54.1                                                                                  | 216.8                                                                                | 45,600                                                                               | 55.3                                                                                  | 218.6                                                                                | 47,400                                                                               | 57.1                                                                                    | 220.9                                                                                  | 46,300                                                                                 | 105                                                                                    |
| 110                                                                                  | 51.8                                                                                  | 213.0                                                                                | 42,500                                                                               | 53.1                                                                                  | 215.0                                                                                | 44,200                                                                               | 54.9                                                                                    | 217.5                                                                                  | 43,400                                                                                 | 110                                                                                    |
| 115                                                                                  | 49.5                                                                                  | 208.8                                                                                | 39,800                                                                               | 50.8                                                                                  | 211.0                                                                                | 41,300                                                                               | 52.7                                                                                    | 213.8                                                                                  | 40,900                                                                                 | 115                                                                                    |
| 120                                                                                  | 47.1                                                                                  | 204.3                                                                                | 37,300                                                                               | 48.4                                                                                  | 206.6                                                                                | 38,600                                                                               | 50.4                                                                                    | 209.7                                                                                  | 38,600                                                                                 | 120                                                                                    |
| 121                                                                                  | 46.4                                                                                  | 203.3                                                                                | 36,800                                                                               | 47.4                                                                                  | 205.7                                                                                | 38,200                                                                               | 49.6                                                                                    | 208.9                                                                                  | 38,100                                                                                 | 121                                                                                    |
| 125                                                                                  | 44.5                                                                                  | 199.4                                                                                | 35,000                                                                               | 46.0                                                                                  | 201.9                                                                                | 36,200                                                                               | 48.0                                                                                    | 205.4                                                                                  | 36,400                                                                                 | 125                                                                                    |
| 130                                                                                  | 41.9                                                                                  | 193.9                                                                                | 32,900                                                                               | 43.4                                                                                  | 196.8                                                                                | 34,100                                                                               | 45.5                                                                                    | 200.6                                                                                  | 34,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 39.1                                                                                  | 188.0                                                                                | 31,000                                                                               | 40.7                                                                                  | 191.2                                                                                | 32,000                                                                               | 42.9                                                                                    | 195.4                                                                                  | 32,700                                                                                 | 135                                                                                    |
| 139                                                                                  | 36.6                                                                                  | 182.7                                                                                | 29,600                                                                               | 37.6                                                                                  | 186.2                                                                                | 30,600                                                                               | 40.4                                                                                    | 190.8                                                                                  | 31,400                                                                                 | 139                                                                                    |
| 140                                                                                  | 36.2                                                                                  | 181.4                                                                                | 29,300                                                                               | 37.8                                                                                  | 184.9                                                                                | 30,200                                                                               | 40.2                                                                                    | 189.6                                                                                  | 31,000                                                                                 | 140                                                                                    |
| 145                                                                                  | 33.0                                                                                  | 174.0                                                                                | 27,600                                                                               | 34.8                                                                                  | 178.0                                                                                | 28,500                                                                               | 37.3                                                                                    | 183.3                                                                                  | 29,500                                                                                 | 145                                                                                    |
| 150                                                                                  | 29.5                                                                                  | 165.6                                                                                | 26,100                                                                               | 31.5                                                                                  | 170.2                                                                                | 26,900                                                                               | 34.2                                                                                    | 176.2                                                                                  | 28,000                                                                                 | 150                                                                                    |
| 155                                                                                  | 25.5                                                                                  | 155.8                                                                                | 24,700                                                                               | 27.8                                                                                  | 161.2                                                                                | 25,500                                                                               | 30.9                                                                                    | 168.3                                                                                  | 26,700                                                                                 | 155                                                                                    |
| 160                                                                                  | 20.9                                                                                  | 143.9                                                                                | 23,400                                                                               | 23.6                                                                                  | 150.6                                                                                | 24,100                                                                               | 27.1                                                                                    | 159.1                                                                                  | 25,200                                                                                 | 160                                                                                    |
| 165                                                                                  | 14.9                                                                                  | 127.9                                                                                | 20,800                                                                               | 18.5                                                                                  | 137.3                                                                                | 22,800                                                                               | 22.8                                                                                    | 148.1                                                                                  | 23,800                                                                                 | 165                                                                                    |
| 170                                                                                  | 1.8                                                                                   | 91.9                                                                                 | 14,700                                                                               | 11.3                                                                                  | 117.8                                                                                | 19,600                                                                               | 17.5                                                                                    | 134.1                                                                                  | 22,600                                                                                 | 170                                                                                    |
| 172                                                                                  |                                                                                       |                                                                                      |                                                                                      | 6.3                                                                                   | 104.1                                                                                | 17,200                                                                               | 13.8                                                                                    | 125.4                                                                                  | 21,500                                                                                 | 172                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 9.5                                                                                     | 112.5                                                                                  | 19,900                                                                                 | 175                                                                                    |
| 176                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.8                                                                                     | 105.1                                                                                  | 18,600                                                                                 | 176                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 181                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 181                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 187                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 187                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 194                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 194                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |



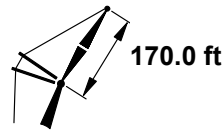
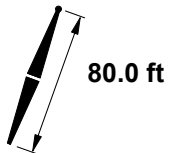
184,600 lb  
+  
44,000 lb

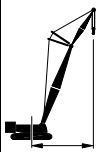
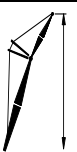
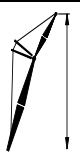
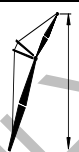
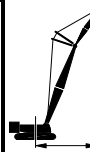


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 83  | 67.7 | 234.1 | 61,600 |      |       |        |      |       |        |      |       |        | 83  |
| 85  | 66.9 | 233.3 | 59,700 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.0 | 231.0 | 55,300 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.0 | 228.5 | 51,500 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 60.9 | 225.8 | 48,100 |      |       |        |      |       |        |      |       |        | 100 |
| 102 | 59.2 | 224.6 | 46,800 | 62.9 | 226.7 | 44,700 |      |       |        |      |       |        | 102 |
| 105 | 58.8 | 222.8 | 45,000 | 61.7 | 225.1 | 42,900 |      |       |        |      |       |        | 105 |
| 110 | 56.7 | 219.6 | 42,200 | 59.6 | 222.2 | 40,300 |      |       |        |      |       |        | 110 |
| 115 | 54.5 | 216.1 | 39,700 | 57.5 | 219.1 | 37,900 |      |       |        |      |       |        | 115 |
| 120 | 52.3 | 212.4 | 37,500 | 55.3 | 215.7 | 35,700 |      |       |        |      |       |        | 120 |
| 121 | 51.4 | 211.5 | 37,100 | 54.6 | 215.0 | 35,300 | 57.7 | 217.2 | 33,500 |      |       |        | 121 |
| 125 | 50.0 | 208.3 | 35,400 | 53.1 | 212.0 | 33,700 | 56.0 | 214.5 | 32,000 |      |       |        | 125 |
| 130 | 47.6 | 203.8 | 33,500 | 50.8 | 208.1 | 31,900 | 53.8 | 211.0 | 30,300 |      |       |        | 130 |
| 135 | 45.1 | 199.0 | 31,700 | 48.4 | 203.7 | 30,200 | 51.5 | 207.1 | 28,600 |      |       |        | 135 |
| 139 | 42.6 | 194.7 | 30,400 | 45.6 | 200.0 | 28,900 | 49.4 | 203.7 | 27,400 | 52.6 | 206.1 | 26,000 | 139 |
| 140 | 42.5 | 193.7 | 30,100 | 46.0 | 199.0 | 28,600 | 49.2 | 202.9 | 27,100 | 52.2 | 205.3 | 25,700 | 140 |
| 145 | 39.7 | 187.8 | 28,600 | 43.4 | 193.9 | 27,200 | 46.8 | 198.3 | 25,700 | 49.9 | 201.2 | 24,400 | 145 |
| 150 | 36.8 | 181.4 | 27,200 | 40.7 | 188.3 | 25,800 | 44.2 | 193.3 | 24,500 | 47.5 | 196.7 | 23,100 | 150 |
| 155 | 33.7 | 174.2 | 25,900 | 37.9 | 182.0 | 24,600 | 41.6 | 187.8 | 23,200 | 45.0 | 191.9 | 22,000 | 155 |
| 160 | 30.2 | 166.0 | 24,700 | 34.8 | 175.1 | 23,400 | 38.8 | 181.8 | 22,100 | 42.3 | 186.5 | 20,900 | 160 |
| 165 | 26.4 | 156.6 | 23,500 | 31.5 | 167.3 | 22,300 | 35.8 | 175.1 | 21,100 | 39.6 | 180.7 | 19,900 | 165 |
| 170 | 21.9 | 145.2 | 22,400 | 27.8 | 158.4 | 21,200 | 32.6 | 167.7 | 20,100 | 36.6 | 174.2 | 18,900 | 170 |
| 172 | 19.0 | 139.3 | 22,000 | 25.4 | 154.1 | 20,800 | 30.8 | 164.2 | 19,700 | 34.8 | 171.3 | 18,500 | 172 |
| 175 | 16.4 | 130.4 | 21,400 | 23.6 | 147.8 | 20,200 | 29.0 | 159.1 | 19,100 | 33.5 | 166.9 | 18,000 | 175 |
| 176 | 14.2 | 125.4 | 21,100 | 22.0 | 145.1 | 20,100 | 28.2 | 157.1 | 18,900 | 32.4 | 165.3 | 17,800 | 176 |
| 180 | 7.2  | 105.4 | 19,900 | 18.5 | 134.5 | 19,300 | 25.0 | 149.1 | 18,200 | 30.0 | 158.7 | 17,100 | 180 |
| 181 | 2.6  | 92.6  | 17,800 | 16.6 | 130.6 | 19,100 | 24.0 | 146.7 | 18,000 | 29.2 | 156.8 | 17,000 | 181 |
| 185 |      |       |        | 11.4 | 115.1 | 18,400 | 20.3 | 136.9 | 17,400 | 26.2 | 149.2 | 16,300 | 185 |
| 187 |      |       |        | 6.5  | 101.7 | 18,000 | 17.6 | 130.2 | 17,000 | 24.0 | 144.6 | 16,000 | 187 |
| 190 |      |       |        |      |       |        | 14.1 | 120.2 | 16,500 | 21.7 | 137.7 | 15,600 | 190 |
| 194 |      |       |        |      |       |        | 4.9  | 95.0  | 15,900 | 17.0 | 125.6 | 15,000 | 194 |
| 195 |      |       |        |      |       |        |      |       |        | 16.0 | 122.6 | 14,800 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 6.4  | 96.2  | 14,000 | 200 |



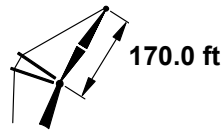
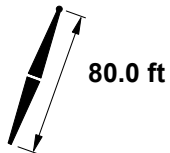
184,600 lb  
+  
44,000 lb



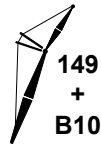
|                                                                                         | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                                                                                         | <br>83° |                                                                                           |                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>ft | <br>°   | <br>ft | <br>lb | <br>°   | <br>ft | <br>lb | <br>°    | <br>ft | <br>lb | <br>ft |
| 53                                                                                      | 75.8                                                                                     | 252.5                                                                                   | 71,900                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 53                                                                                        |
| 55                                                                                      | 75.1                                                                                     | 252.0                                                                                   | 71,600                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 55                                                                                        |
| 60                                                                                      | 73.4                                                                                     | 250.6                                                                                   | 71,100                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 60                                                                                        |
| 61                                                                                      | 72.6                                                                                     | 250.2                                                                                   | 70,900                                                                                  | 74.0                                                                                     | 250.9                                                                                   | 81,100                                                                                  |                                                                                            |                                                                                           |                                                                                           | 61                                                                                        |
| 65                                                                                      | 71.6                                                                                     | 248.9                                                                                   | 70,500                                                                                  | 72.6                                                                                     | 249.6                                                                                   | 80,700                                                                                  |                                                                                            |                                                                                           |                                                                                           | 65                                                                                        |
| 70                                                                                      | 69.8                                                                                     | 247.1                                                                                   | 69,900                                                                                  | 70.8                                                                                     | 247.9                                                                                   | 78,200                                                                                  |                                                                                            |                                                                                           |                                                                                           | 70                                                                                        |
| 74                                                                                      | 67.4                                                                                     | 245.6                                                                                   | 69,400                                                                                  | 68.4                                                                                     | 246.4                                                                                   | 74,600                                                                                  | 70.8                                                                                       | 247.5                                                                                     | 73,200                                                                                    | 74                                                                                        |
| 75                                                                                      | 68.0                                                                                     | 245.2                                                                                   | 69,200                                                                                  | 69.0                                                                                     | 246.1                                                                                   | 73,700                                                                                  | 70.5                                                                                       | 247.1                                                                                     | 71,900                                                                                    | 75                                                                                        |
| 80                                                                                      | 66.1                                                                                     | 243.0                                                                                   | 67,200                                                                                  | 67.2                                                                                     | 244.0                                                                                   | 67,700                                                                                  | 68.7                                                                                       | 245.2                                                                                     | 66,000                                                                                    | 80                                                                                        |
| 85                                                                                      | 64.3                                                                                     | 240.6                                                                                   | 61,600                                                                                  | 65.3                                                                                     | 241.8                                                                                   | 62,500                                                                                  | 66.9                                                                                       | 243.1                                                                                     | 60,900                                                                                    | 85                                                                                        |
| 86                                                                                      | 63.6                                                                                     | 240.1                                                                                   | 60,600                                                                                  | 64.6                                                                                     | 241.3                                                                                   | 61,600                                                                                  | 65.8                                                                                       | 242.7                                                                                     | 60,000                                                                                    | 86                                                                                        |
| 90                                                                                      | 62.4                                                                                     | 238.1                                                                                   | 56,700                                                                                  | 63.4                                                                                     | 239.3                                                                                   | 58,000                                                                                  | 65.0                                                                                       | 240.8                                                                                     | 56,500                                                                                    | 90                                                                                        |
| 95                                                                                      | 60.5                                                                                     | 235.3                                                                                   | 52,400                                                                                  | 61.5                                                                                     | 236.7                                                                                   | 54,000                                                                                  | 63.1                                                                                       | 238.4                                                                                     | 52,500                                                                                    | 95                                                                                        |
| 100                                                                                     | 58.5                                                                                     | 232.3                                                                                   | 48,500                                                                                  | 59.6                                                                                     | 233.8                                                                                   | 50,400                                                                                  | 61.2                                                                                       | 235.7                                                                                     | 49,000                                                                                    | 100                                                                                       |
| 105                                                                                     | 56.5                                                                                     | 229.1                                                                                   | 45,200                                                                                  | 57.6                                                                                     | 230.7                                                                                   | 47,000                                                                                  | 59.3                                                                                       | 232.8                                                                                     | 45,900                                                                                    | 105                                                                                       |
| 107                                                                                     | 55.2                                                                                     | 227.7                                                                                   | 43,900                                                                                  | 56.2                                                                                     | 229.3                                                                                   | 45,700                                                                                  | 58.2                                                                                       | 231.5                                                                                     | 44,800                                                                                    | 107                                                                                       |
| 110                                                                                     | 54.4                                                                                     | 225.6                                                                                   | 42,100                                                                                  | 55.6                                                                                     | 227.3                                                                                   | 43,800                                                                                  | 57.3                                                                                       | 229.6                                                                                     | 43,100                                                                                    | 110                                                                                       |
| 115                                                                                     | 52.3                                                                                     | 221.8                                                                                   | 39,400                                                                                  | 53.5                                                                                     | 223.7                                                                                   | 40,900                                                                                  | 55.2                                                                                       | 226.2                                                                                     | 40,500                                                                                    | 115                                                                                       |
| 120                                                                                     | 50.1                                                                                     | 217.7                                                                                   | 36,900                                                                                  | 51.4                                                                                     | 219.8                                                                                   | 38,200                                                                                  | 53.1                                                                                       | 222.6                                                                                     | 38,200                                                                                    | 120                                                                                       |
| 125                                                                                     | 47.9                                                                                     | 213.3                                                                                   | 34,600                                                                                  | 49.2                                                                                     | 215.6                                                                                   | 35,800                                                                                  | 51.0                                                                                       | 218.6                                                                                     | 36,100                                                                                    | 125                                                                                       |
| 126                                                                                     | 46.6                                                                                     | 212.3                                                                                   | 34,200                                                                                  | 48.4                                                                                     | 214.7                                                                                   | 35,400                                                                                  | 49.6                                                                                       | 217.7                                                                                     | 35,700                                                                                    | 126                                                                                       |
| 130                                                                                     | 45.6                                                                                     | 208.5                                                                                   | 32,500                                                                                  | 46.9                                                                                     | 211.0                                                                                   | 33,600                                                                                  | 48.8                                                                                       | 214.3                                                                                     | 34,200                                                                                    | 130                                                                                       |
| 135                                                                                     | 43.1                                                                                     | 203.3                                                                                   | 30,600                                                                                  | 44.5                                                                                     | 206.1                                                                                   | 31,600                                                                                  | 46.5                                                                                       | 209.7                                                                                     | 32,400                                                                                    | 135                                                                                       |
| 140                                                                                     | 40.6                                                                                     | 197.7                                                                                   | 28,800                                                                                  | 42.0                                                                                     | 200.7                                                                                   | 29,800                                                                                  | 44.1                                                                                       | 204.7                                                                                     | 30,700                                                                                    | 140                                                                                       |
| 145                                                                                     | 37.9                                                                                     | 191.4                                                                                   | 27,200                                                                                  | 39.4                                                                                     | 194.8                                                                                   | 28,100                                                                                  | 41.6                                                                                       | 199.2                                                                                     | 29,200                                                                                    | 145                                                                                       |
| 150                                                                                     | 35.0                                                                                     | 184.6                                                                                   | 25,700                                                                                  | 36.6                                                                                     | 188.3                                                                                   | 26,500                                                                                  | 39.0                                                                                       | 193.2                                                                                     | 27,700                                                                                    | 150                                                                                       |
| 155                                                                                     | 31.9                                                                                     | 176.9                                                                                   | 24,300                                                                                  | 33.7                                                                                     | 181.0                                                                                   | 25,100                                                                                  | 36.2                                                                                       | 186.6                                                                                     | 26,200                                                                                    | 155                                                                                       |
| 160                                                                                     | 28.5                                                                                     | 168.1                                                                                   | 23,000                                                                                  | 30.5                                                                                     | 172.9                                                                                   | 23,700                                                                                  | 33.2                                                                                       | 179.2                                                                                     | 24,800                                                                                    | 160                                                                                       |
| 165                                                                                     | 24.7                                                                                     | 158.0                                                                                   | 21,800                                                                                  | 26.9                                                                                     | 163.6                                                                                   | 22,400                                                                                  | 29.9                                                                                       | 170.9                                                                                     | 23,400                                                                                    | 165                                                                                       |
| 170                                                                                     | 20.2                                                                                     | 145.6                                                                                   | 20,600                                                                                  | 22.8                                                                                     | 152.6                                                                                   | 21,200                                                                                  | 26.3                                                                                       | 161.4                                                                                     | 22,200                                                                                    | 170                                                                                       |
| 175                                                                                     | 14.4                                                                                     | 129.2                                                                                   | 18,200                                                                                  | 17.9                                                                                     | 138.8                                                                                   | 20,100                                                                                  | 22.1                                                                                       | 150.0                                                                                     | 21,000                                                                                    | 175                                                                                       |
| 180                                                                                     | 1.8                                                                                      | 92.0                                                                                    | 12,700                                                                                  | 10.9                                                                                     | 118.7                                                                                   | 17,100                                                                                  | 16.9                                                                                       | 135.6                                                                                     | 19,900                                                                                    | 180                                                                                       |
| 182                                                                                     |                                                                                          |                                                                                         |                                                                                         | 6.1                                                                                      | 104.6                                                                                   | 15,000                                                                                  | 13.2                                                                                       | 126.6                                                                                     | 18,900                                                                                    | 182                                                                                       |
| 185                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 9.2                                                                                        | 113.2                                                                                     | 17,400                                                                                    | 185                                                                                       |
| 186                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 6.6                                                                                        | 105.6                                                                                     | 16,200                                                                                    | 186                                                                                       |
| 190                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 190                                                                                       |
| 191                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 191                                                                                       |
| 195                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 195                                                                                       |
| 197                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 197                                                                                       |
| 200                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 200                                                                                       |
| 204                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 204                                                                                       |
| 205                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 205                                                                                       |
| 210                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 210                                                                                       |



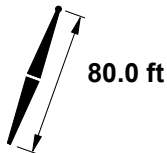
184,600 lb  
+  
44,000 lb



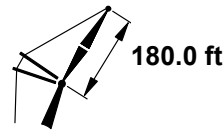
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 86  | 68.0 | 243.7 | 58,400 |      |       |        |      |       |        |      |       |        | 86  |
| 90  | 66.5 | 242.0 | 55,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.7 | 239.7 | 51,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.8 | 237.2 | 47,700 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 60.9 | 234.4 | 44,600 |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 59.2 | 233.3 | 43,500 | 62.7 | 235.3 | 41,400 |      |       |        |      |       |        | 107 |
| 110 | 58.9 | 231.5 | 41,900 | 61.6 | 233.7 | 39,900 |      |       |        |      |       |        | 110 |
| 115 | 56.9 | 228.3 | 39,400 | 59.6 | 230.9 | 37,500 |      |       |        |      |       |        | 115 |
| 120 | 54.9 | 224.9 | 37,100 | 57.6 | 227.8 | 35,300 |      |       |        |      |       |        | 120 |
| 125 | 52.8 | 221.1 | 35,100 | 55.6 | 224.4 | 33,300 |      |       |        |      |       |        | 125 |
| 126 | 51.6 | 220.3 | 34,700 | 54.6 | 223.7 | 33,000 | 57.9 | 225.9 | 31,300 |      |       |        | 126 |
| 130 | 50.6 | 217.1 | 33,100 | 53.5 | 220.8 | 31,500 | 56.3 | 223.2 | 29,900 |      |       |        | 130 |
| 135 | 48.4 | 212.8 | 31,400 | 51.4 | 216.9 | 29,800 | 54.2 | 219.7 | 28,300 |      |       |        | 135 |
| 140 | 46.1 | 208.1 | 29,800 | 49.2 | 212.7 | 28,300 | 52.1 | 215.9 | 26,800 |      |       |        | 140 |
| 145 | 43.7 | 203.0 | 28,300 | 46.9 | 208.1 | 26,800 | 49.9 | 211.8 | 25,400 | 52.7 | 214.1 | 24,000 | 145 |
| 150 | 41.1 | 197.4 | 26,900 | 44.5 | 203.2 | 25,500 | 47.6 | 207.3 | 24,100 | 50.5 | 210.1 | 22,700 | 150 |
| 155 | 38.5 | 191.3 | 25,600 | 42.0 | 197.8 | 24,200 | 45.3 | 202.5 | 22,900 | 48.3 | 205.7 | 21,600 | 155 |
| 160 | 35.7 | 184.6 | 24,400 | 39.4 | 191.9 | 23,000 | 42.8 | 197.2 | 21,800 | 45.9 | 201.0 | 20,500 | 160 |
| 165 | 32.6 | 177.1 | 23,200 | 36.7 | 185.4 | 21,900 | 40.3 | 191.5 | 20,700 | 43.5 | 195.9 | 19,500 | 165 |
| 170 | 29.3 | 168.6 | 22,100 | 33.7 | 178.2 | 20,900 | 37.6 | 185.2 | 19,700 | 41.0 | 190.3 | 18,500 | 170 |
| 175 | 25.6 | 158.8 | 21,100 | 30.5 | 170.1 | 19,900 | 34.7 | 178.3 | 18,800 | 38.3 | 184.2 | 17,600 | 175 |
| 180 | 21.3 | 147.0 | 20,100 | 27.0 | 160.8 | 19,000 | 31.6 | 170.5 | 17,900 | 35.5 | 177.4 | 16,800 | 180 |
| 182 | 18.6 | 140.9 | 19,800 | 24.4 | 156.4 | 18,700 | 29.8 | 166.9 | 17,600 | 33.8 | 174.4 | 16,500 | 182 |
| 185 | 15.9 | 131.8 | 19,200 | 22.9 | 149.8 | 18,100 | 28.1 | 161.6 | 17,100 | 32.5 | 169.9 | 16,000 | 185 |
| 186 | 13.2 | 126.6 | 18,900 | 21.0 | 147.0 | 18,000 | 27.2 | 159.5 | 16,900 | 31.4 | 168.2 | 15,800 | 186 |
| 190 | 7.0  | 106.0 | 17,500 | 18.0 | 136.0 | 17,300 | 24.3 | 151.3 | 16,300 | 29.1 | 161.3 | 15,200 | 190 |
| 191 | 2.5  | 92.8  | 15,600 | 15.8 | 132.0 | 17,100 | 23.0 | 148.7 | 16,100 | 28.2 | 159.3 | 15,100 | 191 |
| 195 |      |       |        | 11.0 | 116.1 | 16,500 | 19.7 | 138.6 | 15,500 | 25.4 | 151.4 | 14,500 | 195 |
| 197 |      |       |        | 6.3  | 102.2 | 16,100 | 16.6 | 131.7 | 15,200 | 23.4 | 146.7 | 14,200 | 197 |
| 200 |      |       |        |      |       |        | 13.6 | 121.4 | 14,800 | 21.0 | 139.5 | 13,800 | 200 |
| 204 |      |       |        |      |       |        | 4.8  | 95.4  | 14,100 | 16.2 | 127.1 | 13,300 | 204 |
| 205 |      |       |        |      |       |        |      |       |        | 15.5 | 124.0 | 13,100 | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 6.2  | 96.8  | 12,500 | 210 |



184,600 lb  
+  
44,000 lb



80.0 ft



180.0 ft

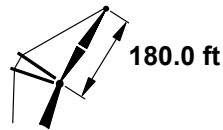
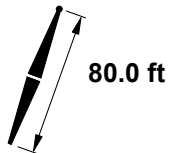
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | lb    | ft     |     |
| 55  | 76.0 | 262.4 | 64,400 |      |       |        |      |       |        | 55  |
| 60  | 74.3 | 261.0 | 63,800 |      |       |        |      |       |        | 60  |
| 64  | 72.4 | 259.8 | 63,300 | 73.9 | 260.4 | 72,400 |      |       |        | 64  |
| 65  | 72.6 | 259.5 | 63,200 | 73.6 | 260.1 | 72,300 |      |       |        | 65  |
| 70  | 71.0 | 257.8 | 62,600 | 71.9 | 258.5 | 71,700 |      |       |        | 70  |
| 75  | 69.3 | 255.9 | 62,000 | 70.2 | 256.8 | 71,100 |      |       |        | 75  |
| 77  | 68.2 | 255.1 | 61,800 | 69.2 | 256.0 | 69,600 | 70.9 | 257.0 | 69,000 | 77  |
| 80  | 67.5 | 253.9 | 61,500 | 68.5 | 254.8 | 67,300 | 69.9 | 255.9 | 65,600 | 80  |
| 85  | 65.8 | 251.7 | 61,000 | 66.8 | 252.7 | 62,100 | 68.2 | 254.0 | 60,500 | 85  |
| 90  | 64.0 | 249.3 | 56,200 | 65.0 | 250.5 | 57,600 | 66.5 | 251.8 | 56,000 | 90  |
| 95  | 62.3 | 246.8 | 51,900 | 63.3 | 248.0 | 53,600 | 64.7 | 249.5 | 52,100 | 95  |
| 100 | 60.4 | 244.0 | 48,100 | 61.4 | 245.3 | 50,000 | 63.0 | 247.0 | 48,600 | 100 |
| 105 | 58.6 | 241.0 | 44,700 | 59.6 | 242.4 | 46,500 | 61.1 | 244.3 | 45,500 | 105 |
| 110 | 56.7 | 237.8 | 41,600 | 57.7 | 239.4 | 43,300 | 59.3 | 241.4 | 42,700 | 110 |
| 111 | 55.6 | 237.1 | 41,100 | 56.6 | 238.7 | 42,700 | 58.6 | 240.8 | 42,200 | 111 |
| 115 | 54.7 | 234.3 | 38,900 | 55.8 | 236.0 | 40,400 | 57.4 | 238.3 | 40,100 | 115 |
| 120 | 52.8 | 230.6 | 36,400 | 53.9 | 232.5 | 37,700 | 55.5 | 234.9 | 37,800 | 120 |
| 125 | 50.7 | 226.6 | 34,100 | 51.9 | 228.6 | 35,300 | 53.5 | 231.3 | 35,700 | 125 |
| 130 | 48.6 | 222.3 | 32,000 | 49.8 | 224.5 | 33,100 | 51.5 | 227.4 | 33,700 | 130 |
| 131 | 47.6 | 221.3 | 31,600 | 48.6 | 223.6 | 32,700 | 50.6 | 226.6 | 33,400 | 131 |
| 135 | 46.5 | 217.6 | 30,100 | 47.7 | 220.0 | 31,100 | 49.4 | 223.2 | 31,900 | 135 |
| 140 | 44.2 | 212.6 | 28,300 | 45.5 | 215.2 | 29,300 | 47.3 | 218.7 | 30,300 | 140 |
| 145 | 41.8 | 207.2 | 26,700 | 43.2 | 210.0 | 27,600 | 45.1 | 213.9 | 28,800 | 145 |
| 150 | 39.4 | 201.3 | 25,200 | 40.8 | 204.4 | 26,000 | 42.8 | 208.6 | 27,300 | 150 |
| 151 | 38.4 | 200.0 | 24,900 | 39.6 | 203.2 | 25,700 | 41.6 | 207.4 | 27,000 | 151 |
| 155 | 36.8 | 194.8 | 23,800 | 38.2 | 198.2 | 24,500 | 40.4 | 202.9 | 25,700 | 155 |
| 160 | 34.0 | 187.6 | 22,500 | 35.6 | 191.5 | 23,200 | 37.8 | 196.6 | 24,300 | 160 |
| 165 | 31.0 | 179.7 | 21,200 | 32.7 | 184.0 | 21,900 | 35.1 | 189.7 | 22,900 | 165 |
| 170 | 27.7 | 170.6 | 20,100 | 29.6 | 175.6 | 20,700 | 32.2 | 182.1 | 21,700 | 170 |
| 175 | 24.0 | 160.1 | 19,000 | 26.1 | 165.9 | 19,600 | 29.0 | 173.5 | 20,500 | 175 |
| 180 | 19.6 | 147.4 | 18,000 | 22.2 | 154.6 | 18,500 | 25.5 | 163.7 | 19,400 | 180 |
| 185 | 14.0 | 130.4 | 15,700 | 17.4 | 140.3 | 17,600 | 21.4 | 151.9 | 18,300 | 185 |
| 190 | 1.7  | 92.1  | 10,700 | 10.6 | 119.6 | 14,800 | 16.4 | 137.0 | 17,400 | 190 |
| 192 |      |       |        | 5.9  | 105.1 | 12,800 | 12.8 | 127.8 | 16,400 | 192 |
| 195 |      |       |        |      |       |        | 8.9  | 114.0 | 15,100 | 195 |
| 196 |      |       |        |      |       |        | 6.4  | 106.1 | 14,000 | 196 |
| 200 |      |       |        |      |       |        |      |       |        | 200 |
| 201 |      |       |        |      |       |        |      |       |        | 201 |
| 205 |      |       |        |      |       |        |      |       |        | 205 |
| 207 |      |       |        |      |       |        |      |       |        | 207 |
| 210 |      |       |        |      |       |        |      |       |        | 210 |
| 214 |      |       |        |      |       |        |      |       |        | 214 |
| 215 |      |       |        |      |       |        |      |       |        | 215 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |

# MLC250 S-2

ASME B30.5



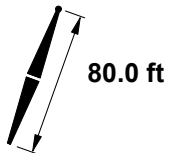
184,600 lb  
+  
44,000 lb



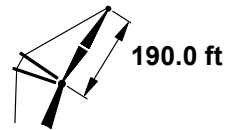
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  |      |       |        |      |       |        |      |       |        |      |       |        | 77  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 67.9 | 252.9 | 54,500 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 66.2 | 250.7 | 50,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.4 | 248.4 | 47,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.6 | 245.8 | 44,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 60.8 | 243.1 | 41,400 |      |       |        |      |       |        |      |       |        | 110 |
| 111 | 59.6 | 242.5 | 40,900 | 62.9 | 244.5 | 38,900 |      |       |        |      |       |        | 111 |
| 115 | 59.0 | 240.2 | 38,900 | 61.5 | 242.4 | 37,000 |      |       |        |      |       |        | 115 |
| 120 | 57.1 | 237.0 | 36,700 | 59.6 | 239.5 | 34,800 |      |       |        |      |       |        | 120 |
| 125 | 55.2 | 233.6 | 34,600 | 57.8 | 236.4 | 32,800 |      |       |        |      |       |        | 125 |
| 130 | 53.2 | 229.9 | 32,700 | 55.9 | 233.1 | 31,000 |      |       |        |      |       |        | 130 |
| 131 | 52.6 | 229.1 | 32,400 | 54.6 | 232.4 | 30,700 | 58.0 | 234.5 | 29,000 |      |       |        | 131 |
| 135 | 51.2 | 226.0 | 31,000 | 53.9 | 229.5 | 29,300 | 56.5 | 231.9 | 27,700 |      |       |        | 135 |
| 140 | 49.1 | 221.7 | 29,300 | 51.9 | 225.7 | 27,800 | 54.5 | 228.4 | 26,300 |      |       |        | 140 |
| 145 | 46.9 | 217.2 | 27,800 | 49.8 | 221.6 | 26,300 | 52.5 | 224.7 | 24,900 |      |       |        | 145 |
| 150 | 44.7 | 212.2 | 26,500 | 47.7 | 217.1 | 25,000 | 50.5 | 220.6 | 23,600 |      |       |        | 150 |
| 151 | 43.6 | 211.2 | 26,200 | 46.6 | 216.2 | 24,800 | 49.6 | 219.8 | 23,400 | 52.7 | 222.1 | 22,000 | 151 |
| 155 | 42.4 | 206.9 | 25,200 | 45.5 | 212.3 | 23,800 | 48.4 | 216.3 | 22,400 | 51.1 | 218.9 | 21,100 | 155 |
| 160 | 39.9 | 201.1 | 23,900 | 43.2 | 207.1 | 22,600 | 46.2 | 211.6 | 21,300 | 49.0 | 214.7 | 20,000 | 160 |
| 165 | 37.3 | 194.7 | 22,800 | 40.8 | 201.5 | 21,500 | 43.9 | 206.5 | 20,200 | 46.8 | 210.1 | 19,000 | 165 |
| 170 | 34.6 | 187.7 | 21,700 | 38.3 | 195.3 | 20,500 | 41.6 | 201.1 | 19,200 | 44.6 | 205.1 | 18,000 | 170 |
| 175 | 31.7 | 180.0 | 20,700 | 35.6 | 188.6 | 19,500 | 39.1 | 195.1 | 18,300 | 42.2 | 199.8 | 17,200 | 175 |
| 180 | 28.4 | 171.2 | 19,800 | 32.7 | 181.1 | 18,600 | 36.5 | 188.5 | 17,400 | 39.8 | 193.9 | 16,300 | 180 |
| 185 | 24.8 | 161.0 | 18,900 | 29.6 | 172.7 | 17,700 | 33.7 | 181.3 | 16,600 | 37.2 | 187.5 | 15,500 | 185 |
| 190 | 20.7 | 148.8 | 18,000 | 26.2 | 163.1 | 16,900 | 30.6 | 173.2 | 15,800 | 34.5 | 180.5 | 14,800 | 190 |
| 192 | 18.0 | 142.5 | 17,700 | 24.4 | 158.6 | 16,600 | 28.8 | 169.5 | 15,500 | 32.8 | 177.4 | 14,500 | 192 |
| 195 | 15.4 | 133.1 | 17,200 | 22.2 | 151.8 | 16,100 | 27.3 | 164.0 | 15,100 | 31.5 | 172.7 | 14,100 | 195 |
| 196 | 13.2 | 127.8 | 16,800 | 21.0 | 148.9 | 16,000 | 26.2 | 161.9 | 14,900 | 30.4 | 170.9 | 13,900 | 196 |
| 200 | 6.8  | 106.6 | 15,200 | 17.4 | 137.6 | 15,400 | 23.6 | 153.3 | 14,400 | 28.3 | 163.8 | 13,400 | 200 |
| 201 | 2.4  | 92.9  | 13,400 | 15.6 | 133.4 | 15,200 | 22.2 | 150.7 | 14,200 | 27.2 | 161.8 | 13,200 | 201 |
| 205 |      |       |        | 10.7 | 117.0 | 14,600 | 19.1 | 140.2 | 13,700 | 24.6 | 153.6 | 12,700 | 205 |
| 207 |      |       |        | 6.1  | 102.7 | 14,300 | 16.6 | 133.1 | 13,400 | 22.4 | 148.7 | 12,500 | 207 |
| 210 |      |       |        |      |       |        | 13.2 | 122.5 | 13,000 | 20.4 | 141.3 | 12,100 | 210 |
| 214 |      |       |        |      |       |        | 4.6  | 95.7  | 12,400 | 16.0 | 128.5 | 11,600 | 214 |
| 215 |      |       |        |      |       |        |      |       |        | 15.1 | 125.3 | 11,500 | 215 |
| 220 |      |       |        |      |       |        |      |       |        | 6.0  | 97.2  | 10,900 | 220 |



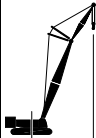
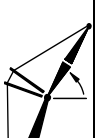
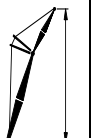
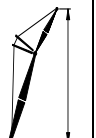
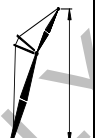
184,600 lb  
+  
44,000 lb



80.0 ft



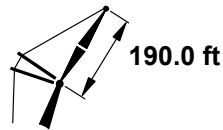
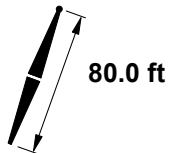
190.0 ft

|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  ft |  ft  |  lb |  ft |  |
| 58  | 75.8                                                                                  | 271.9                                                                                | 57,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 58                                                                                     |  |
| 60  | 75.2                                                                                  | 271.4                                                                                | 57,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 60                                                                                     |  |
| 65  | 73.6                                                                                  | 269.9                                                                                | 56,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 65                                                                                     |  |
| 67  | 72.2                                                                                  | 269.3                                                                                | 56,600                                                                               | 73.8                                                                                  | 270.0                                                                                | 64,800                                                                               |                                                                                         |                                                                                        | 67                                                                                     |  |
| 70  | 72.0                                                                                  | 268.4                                                                                | 56,300                                                                               | 72.9                                                                                  | 269.0                                                                                | 64,400                                                                               |                                                                                         |                                                                                        | 70                                                                                     |  |
| 75  | 70.4                                                                                  | 266.6                                                                                | 55,700                                                                               | 71.3                                                                                  | 267.4                                                                                | 63,900                                                                               |                                                                                         |                                                                                        | 75                                                                                     |  |
| 80  | 68.8                                                                                  | 264.7                                                                                | 55,200                                                                               | 69.7                                                                                  | 265.6                                                                                | 63,300                                                                               | 71.0                                                                                    | 266.6                                                                                  | 80                                                                                     |  |
| 85  | 67.2                                                                                  | 262.7                                                                                | 54,600                                                                               | 68.1                                                                                  | 263.6                                                                                | 61,900                                                                               | 69.4                                                                                    | 264.7                                                                                  | 85                                                                                     |  |
| 90  | 65.5                                                                                  | 260.4                                                                                | 54,100                                                                               | 66.4                                                                                  | 261.5                                                                                | 57,400                                                                               | 67.8                                                                                    | 262.7                                                                                  | 90                                                                                     |  |
| 94  | 63.4                                                                                  | 258.5                                                                                | 52,100                                                                               | 64.4                                                                                  | 259.6                                                                                | 54,200                                                                               | 66.2                                                                                    | 261.0                                                                                  | 94                                                                                     |  |
| 95  | 63.8                                                                                  | 258.0                                                                                | 51,600                                                                               | 64.8                                                                                  | 259.2                                                                                | 53,300                                                                               | 66.2                                                                                    | 260.6                                                                                  | 95                                                                                     |  |
| 100 | 62.1                                                                                  | 255.4                                                                                | 47,800                                                                               | 63.1                                                                                  | 256.7                                                                                | 49,800                                                                               | 64.5                                                                                    | 258.2                                                                                  | 100                                                                                    |  |
| 105 | 60.4                                                                                  | 252.6                                                                                | 44,400                                                                               | 61.4                                                                                  | 254.0                                                                                | 46,300                                                                               | 62.8                                                                                    | 255.7                                                                                  | 105                                                                                    |  |
| 110 | 58.7                                                                                  | 249.6                                                                                | 41,300                                                                               | 59.6                                                                                  | 251.1                                                                                | 43,000                                                                               | 61.1                                                                                    | 253.0                                                                                  | 110                                                                                    |  |
| 115 | 56.9                                                                                  | 246.4                                                                                | 38,600                                                                               | 57.9                                                                                  | 248.0                                                                                | 40,100                                                                               | 59.3                                                                                    | 250.1                                                                                  | 115                                                                                    |  |
| 116 | 55.8                                                                                  | 245.8                                                                                | 38,100                                                                               | 56.8                                                                                  | 247.4                                                                                | 39,600                                                                               | 58.6                                                                                    | 249.5                                                                                  | 116                                                                                    |  |
| 120 | 55.0                                                                                  | 243.0                                                                                | 36,100                                                                               | 56.1                                                                                  | 244.7                                                                                | 37,500                                                                               | 57.6                                                                                    | 247.0                                                                                  | 120                                                                                    |  |
| 125 | 53.2                                                                                  | 239.3                                                                                | 33,800                                                                               | 54.2                                                                                  | 241.2                                                                                | 35,100                                                                               | 55.7                                                                                    | 243.6                                                                                  | 125                                                                                    |  |
| 130 | 51.2                                                                                  | 235.4                                                                                | 31,700                                                                               | 52.3                                                                                  | 237.4                                                                                | 32,900                                                                               | 53.9                                                                                    | 240.1                                                                                  | 130                                                                                    |  |
| 135 | 49.3                                                                                  | 231.2                                                                                | 29,800                                                                               | 50.4                                                                                  | 233.4                                                                                | 30,900                                                                               | 52.0                                                                                    | 236.2                                                                                  | 135                                                                                    |  |
| 137 | 48.2                                                                                  | 229.4                                                                                | 29,100                                                                               | 49.2                                                                                  | 231.6                                                                                | 30,100                                                                               | 50.6                                                                                    | 234.6                                                                                  | 137                                                                                    |  |
| 140 | 47.2                                                                                  | 226.7                                                                                | 28,100                                                                               | 48.4                                                                                  | 229.0                                                                                | 29,000                                                                               | 50.0                                                                                    | 232.1                                                                                  | 140                                                                                    |  |
| 145 | 45.1                                                                                  | 221.8                                                                                | 26,400                                                                               | 46.3                                                                                  | 224.3                                                                                | 27,300                                                                               | 48.0                                                                                    | 227.7                                                                                  | 145                                                                                    |  |
| 150 | 43.0                                                                                  | 216.6                                                                                | 24,900                                                                               | 44.2                                                                                  | 219.3                                                                                | 25,700                                                                               | 46.0                                                                                    | 223.0                                                                                  | 150                                                                                    |  |
| 155 | 40.7                                                                                  | 210.9                                                                                | 23,500                                                                               | 42.0                                                                                  | 213.9                                                                                | 24,300                                                                               | 43.8                                                                                    | 217.9                                                                                  | 155                                                                                    |  |
| 157 | 39.2                                                                                  | 208.4                                                                                | 23,000                                                                               | 40.2                                                                                  | 211.5                                                                                | 23,700                                                                               | 42.2                                                                                    | 215.7                                                                                  | 157                                                                                    |  |
| 160 | 38.3                                                                                  | 204.7                                                                                | 22,200                                                                               | 39.6                                                                                  | 208.0                                                                                | 22,900                                                                               | 41.6                                                                                    | 212.4                                                                                  | 160                                                                                    |  |
| 165 | 35.8                                                                                  | 198.0                                                                                | 21,000                                                                               | 37.2                                                                                  | 201.6                                                                                | 21,600                                                                               | 39.2                                                                                    | 206.4                                                                                  | 165                                                                                    |  |
| 170 | 33.1                                                                                  | 190.6                                                                                | 19,800                                                                               | 34.6                                                                                  | 194.6                                                                                | 20,400                                                                               | 36.8                                                                                    | 200.0                                                                                  | 170                                                                                    |  |
| 175 | 30.1                                                                                  | 182.3                                                                                | 18,800                                                                               | 31.8                                                                                  | 186.8                                                                                | 19,300                                                                               | 34.1                                                                                    | 192.8                                                                                  | 175                                                                                    |  |
| 180 | 26.9                                                                                  | 173.0                                                                                | 17,700                                                                               | 28.8                                                                                  | 178.1                                                                                | 18,300                                                                               | 31.3                                                                                    | 184.9                                                                                  | 180                                                                                    |  |
| 185 | 23.3                                                                                  | 162.2                                                                                | 16,800                                                                               | 25.4                                                                                  | 168.2                                                                                | 17,300                                                                               | 28.2                                                                                    | 176.0                                                                                  | 185                                                                                    |  |
| 190 | 19.1                                                                                  | 149.0                                                                                | 15,900                                                                               | 21.6                                                                                  | 156.5                                                                                | 16,400                                                                               | 24.8                                                                                    | 165.8                                                                                  | 190                                                                                    |  |
| 195 | 13.6                                                                                  | 131.6                                                                                | 13,800                                                                               | 16.9                                                                                  | 141.8                                                                                | 15,500                                                                               | 20.9                                                                                    | 153.7                                                                                  | 195                                                                                    |  |
| 200 | 1.6                                                                                   | 92.2                                                                                 | 9,100                                                                                | 10.3                                                                                  | 120.5                                                                                | 12,900                                                                               | 16.0                                                                                    | 138.4                                                                                  | 200                                                                                    |  |
| 202 |                                                                                       |                                                                                      |                                                                                      | 5.8                                                                                   | 105.6                                                                                | 11,100                                                                               | 12.2                                                                                    | 128.9                                                                                  | 202                                                                                    |  |
| 205 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 8.7                                                                                     | 114.7                                                                                  | 205                                                                                    |  |
| 206 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.2                                                                                     | 106.7                                                                                  | 206                                                                                    |  |
| 210 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 210                                                                                    |  |
| 211 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 211                                                                                    |  |
| 217 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 217                                                                                    |  |
| 220 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 220                                                                                    |  |
| 224 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 224                                                                                    |  |
| 230 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 230                                                                                    |  |

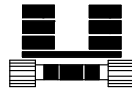
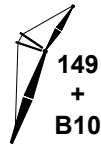




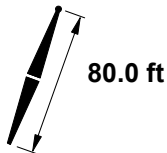
184,600 lb  
+  
44,000 lb



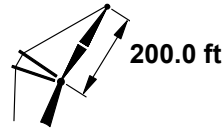
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 94  | 67.8 | 262.0 | 51,200 |      |       |        |      |       |        |      |       |        | 94  |
| 95  | 67.5 | 261.6 | 50,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.9 | 259.4 | 47,000 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.2 | 257.1 | 44,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 62.5 | 254.5 | 41,200 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 60.8 | 251.8 | 38,700 |      |       |        |      |       |        |      |       |        | 115 |
| 116 | 59.8 | 251.2 | 38,300 | 62.8 | 253.2 | 36,300 |      |       |        |      |       |        | 116 |
| 120 | 59.0 | 248.8 | 36,500 | 61.4 | 251.1 | 34,600 |      |       |        |      |       |        | 120 |
| 125 | 57.2 | 245.7 | 34,400 | 59.7 | 248.2 | 32,600 |      |       |        |      |       |        | 125 |
| 130 | 55.4 | 242.3 | 32,500 | 57.9 | 245.1 | 30,800 |      |       |        |      |       |        | 130 |
| 135 | 53.6 | 238.7 | 30,700 | 56.1 | 241.8 | 29,100 |      |       |        |      |       |        | 135 |
| 137 | 52.2 | 237.1 | 30,100 | 55.2 | 240.4 | 28,500 | 57.7 | 242.6 | 26,900 |      |       |        | 137 |
| 140 | 51.7 | 234.8 | 29,100 | 54.2 | 238.3 | 27,600 | 56.7 | 240.6 | 26,000 |      |       |        | 140 |
| 145 | 49.7 | 230.6 | 27,600 | 52.3 | 234.5 | 26,100 | 54.8 | 237.1 | 24,700 |      |       |        | 145 |
| 150 | 47.7 | 226.2 | 26,200 | 50.4 | 230.4 | 24,800 | 52.9 | 233.4 | 23,400 |      |       |        | 150 |
| 155 | 45.6 | 221.4 | 25,000 | 48.4 | 226.1 | 23,600 | 51.0 | 229.5 | 22,200 |      |       |        | 155 |
| 157 | 44.2 | 219.3 | 24,500 | 47.2 | 224.2 | 23,100 | 50.2 | 227.8 | 21,700 | 52.7 | 230.1 | 20,400 | 157 |
| 160 | 43.4 | 216.2 | 23,700 | 46.3 | 221.4 | 22,400 | 49.0 | 225.2 | 21,100 | 51.6 | 227.7 | 19,800 | 160 |
| 165 | 41.2 | 210.7 | 22,600 | 44.2 | 216.4 | 21,300 | 47.0 | 220.7 | 20,000 | 49.6 | 223.6 | 18,800 | 165 |
| 170 | 38.8 | 204.6 | 21,500 | 42.0 | 211.0 | 20,300 | 44.9 | 215.8 | 19,000 | 47.6 | 219.1 | 17,800 | 170 |
| 175 | 36.3 | 198.0 | 20,500 | 39.7 | 205.1 | 19,300 | 42.7 | 210.5 | 18,100 | 45.5 | 214.3 | 16,900 | 175 |
| 180 | 33.6 | 190.8 | 19,600 | 37.2 | 198.7 | 18,400 | 40.4 | 204.8 | 17,200 | 43.3 | 209.1 | 16,100 | 180 |
| 185 | 30.8 | 182.7 | 18,700 | 34.6 | 191.7 | 17,500 | 38.0 | 198.5 | 16,400 | 41.0 | 203.5 | 15,300 | 185 |
| 190 | 27.7 | 173.6 | 17,800 | 31.8 | 184.0 | 16,700 | 35.5 | 191.7 | 15,600 | 38.7 | 197.5 | 14,600 | 190 |
| 195 | 24.2 | 163.2 | 16,900 | 28.8 | 175.3 | 16,000 | 32.7 | 184.2 | 14,900 | 36.2 | 190.8 | 13,900 | 195 |
| 200 | 20.1 | 150.6 | 16,000 | 25.5 | 165.4 | 15,200 | 29.8 | 175.9 | 14,200 | 33.5 | 183.5 | 13,200 | 200 |
| 202 | 17.6 | 144.1 | 15,600 | 23.4 | 160.7 | 14,900 | 27.8 | 172.1 | 13,900 | 31.8 | 180.3 | 12,900 | 202 |
| 205 | 15.0 | 134.4 | 15,100 | 21.6 | 153.7 | 14,500 | 26.6 | 166.4 | 13,500 | 30.6 | 175.4 | 12,500 | 205 |
| 206 | 12.4 | 128.9 | 14,800 | 20.0 | 150.7 | 14,400 | 25.2 | 164.2 | 13,400 | 29.4 | 173.6 | 12,400 | 206 |
| 210 | 6.6  | 107.1 | 13,300 | 17.0 | 139.0 | 13,800 | 22.9 | 155.3 | 12,900 | 27.5 | 166.3 | 11,900 | 210 |
| 211 | 2.4  | 93.1  | 11,700 | 14.4 | 133.9 | 13,700 | 21.0 | 152.2 | 12,700 | 26.2 | 164.0 | 11,800 | 211 |
| 217 |      |       |        | 5.9  | 103.2 | 12,900 | 15.0 | 133.1 | 12,000 | 21.4 | 150.0 | 11,100 | 217 |
| 220 |      |       |        |      |       |        | 12.9 | 123.6 | 11,600 | 19.9 | 143.0 | 10,800 | 220 |
| 224 |      |       |        |      |       |        | 4.5  | 96.1  | 11,100 | 13.4 | 124.9 | 10,300 | 224 |
| 230 |      |       |        |      |       |        |      |       |        | 5.8  | 97.7  | 9,600  | 230 |



184,600 lb  
+  
44,000 lb



80.0 ft

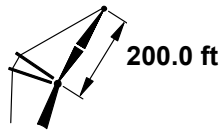
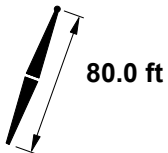


200.0 ft

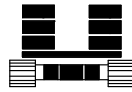
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | lb    | ft     |     |
| 60  | 75.9 | 281.7 | 51,400 |      |       |        |      |       |        | 60  |
| 65  | 74.4 | 280.4 | 50,800 |      |       |        |      |       |        | 65  |
| 70  | 72.9 | 278.9 | 50,200 | 73.8 | 279.5 | 57,500 |      |       |        | 70  |
| 75  | 71.4 | 277.2 | 49,700 | 72.3 | 277.9 | 56,900 |      |       |        | 75  |
| 80  | 69.9 | 275.4 | 49,100 | 70.7 | 276.2 | 56,300 |      |       |        | 80  |
| 84  | 68.2 | 273.9 | 48,700 | 69.2 | 274.7 | 55,800 | 70.8 | 275.8 | 54,500 | 84  |
| 85  | 68.4 | 273.5 | 48,600 | 69.2 | 274.4 | 55,700 | 70.5 | 275.4 | 54,400 | 85  |
| 90  | 66.8 | 271.4 | 48,100 | 67.7 | 272.4 | 55,200 | 69.0 | 273.5 | 54,000 | 90  |
| 95  | 65.2 | 269.1 | 47,600 | 66.1 | 270.2 | 53,000 | 67.4 | 271.5 | 51,500 | 95  |
| 98  | 63.8 | 267.7 | 47,300 | 64.8 | 268.8 | 50,800 | 65.8 | 270.2 | 49,400 | 98  |
| 100 | 63.6 | 266.7 | 47,100 | 64.5 | 267.8 | 49,400 | 65.9 | 269.3 | 48,000 | 100 |
| 105 | 62.0 | 264.1 | 44,500 | 62.9 | 265.3 | 46,200 | 64.3 | 266.9 | 44,800 | 105 |
| 110 | 60.4 | 261.3 | 41,400 | 61.3 | 262.6 | 43,100 | 62.7 | 264.4 | 42,000 | 110 |
| 115 | 58.7 | 258.3 | 38,600 | 59.7 | 259.8 | 40,100 | 61.0 | 261.7 | 39,500 | 115 |
| 120 | 57.0 | 255.1 | 36,000 | 58.0 | 256.7 | 37,400 | 59.4 | 258.7 | 37,200 | 120 |
| 125 | 55.3 | 251.7 | 33,700 | 56.3 | 253.4 | 35,000 | 57.7 | 255.6 | 35,100 | 125 |
| 130 | 53.5 | 248.1 | 31,600 | 54.5 | 249.9 | 32,700 | 56.0 | 252.3 | 33,100 | 130 |
| 135 | 51.7 | 244.2 | 29,600 | 52.7 | 246.2 | 30,700 | 54.2 | 248.8 | 31,300 | 135 |
| 140 | 49.8 | 240.1 | 27,800 | 50.9 | 242.2 | 28,800 | 52.4 | 245.0 | 29,700 | 140 |
| 142 | 48.2 | 238.3 | 27,200 | 49.6 | 240.5 | 28,100 | 51.2 | 243.4 | 29,100 | 142 |
| 145 | 47.9 | 235.7 | 26,200 | 49.0 | 237.9 | 27,100 | 50.6 | 241.0 | 28,100 | 145 |
| 150 | 46.0 | 230.9 | 24,600 | 47.1 | 233.4 | 25,500 | 48.7 | 236.7 | 26,700 | 150 |
| 155 | 43.9 | 225.9 | 23,200 | 45.1 | 228.5 | 24,000 | 46.7 | 232.1 | 25,200 | 155 |
| 160 | 41.8 | 220.4 | 21,900 | 43.0 | 223.3 | 22,600 | 44.7 | 227.1 | 23,700 | 160 |
| 163 | 39.8 | 216.9 | 21,100 | 40.8 | 219.9 | 21,800 | 42.8 | 223.9 | 22,900 | 163 |
| 165 | 39.6 | 214.5 | 20,600 | 40.8 | 217.6 | 21,300 | 42.6 | 221.8 | 22,400 | 165 |
| 170 | 37.3 | 208.1 | 19,500 | 38.6 | 211.5 | 20,100 | 40.5 | 216.1 | 21,100 | 170 |
| 175 | 34.8 | 201.2 | 18,400 | 36.2 | 204.9 | 19,000 | 38.2 | 209.9 | 19,900 | 175 |
| 180 | 32.2 | 193.5 | 17,300 | 33.7 | 197.6 | 17,900 | 35.8 | 203.2 | 18,800 | 180 |
| 185 | 29.4 | 185.0 | 16,400 | 31.0 | 189.6 | 16,900 | 33.2 | 195.8 | 17,700 | 185 |
| 190 | 26.2 | 175.3 | 15,500 | 28.0 | 180.6 | 16,000 | 30.5 | 187.6 | 16,700 | 190 |
| 195 | 22.7 | 164.2 | 14,600 | 24.8 | 170.4 | 15,100 | 27.5 | 178.5 | 15,800 | 195 |
| 200 | 18.6 | 150.6 | 13,800 | 21.0 | 158.3 | 14,200 | 24.2 | 168.0 | 14,900 | 200 |
| 205 | 13.3 | 132.7 | 11,700 | 16.5 | 143.2 | 13,400 | 20.3 | 155.5 | 14,100 | 205 |
| 210 | 1.6  | 92.3  | 7,400  | 10.0 | 121.4 | 11,000 | 15.6 | 139.7 | 13,300 | 210 |
| 212 |      |       |        | 5.6  | 106.0 | 9,300  | 12.2 | 130.0 | 12,500 | 212 |
| 215 |      |       |        |      |       |        | 8.5  | 115.4 | 11,300 | 215 |
| 216 |      |       |        |      |       |        | 6.1  | 107.2 | 10,400 | 216 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 221 |      |       |        |      |       |        |      |       |        | 221 |
| 227 |      |       |        |      |       |        |      |       |        | 227 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 234 |      |       |        |      |       |        |      |       |        | 234 |
| 240 |      |       |        |      |       |        |      |       |        | 240 |



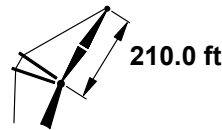
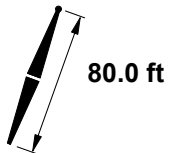
184,600 lb  
+  
44,000 lb

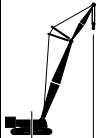
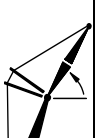
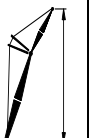
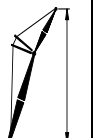
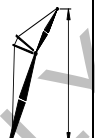
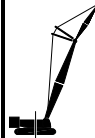


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  |      |       |        |      |       |        |      |       |        |      |       |        | 84  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 98  | 67.8 | 271.2 | 47,900 |      |       |        |      |       |        |      |       |        | 98  |
| 100 | 67.1 | 270.4 | 46,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.6 | 268.1 | 43,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.0 | 265.7 | 40,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.4 | 263.2 | 38,300 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 60.7 | 260.4 | 36,000 | 62.9 | 262.4 | 34,100 |      |       |        |      |       |        | 120 |
| 125 | 59.1 | 257.5 | 34,000 | 61.3 | 259.7 | 32,100 |      |       |        |      |       |        | 125 |
| 130 | 57.4 | 254.3 | 32,100 | 59.7 | 256.8 | 30,300 |      |       |        |      |       |        | 130 |
| 135 | 55.7 | 251.0 | 30,300 | 58.0 | 253.8 | 28,700 |      |       |        |      |       |        | 135 |
| 140 | 53.9 | 247.4 | 28,700 | 56.3 | 250.5 | 27,100 |      |       |        |      |       |        | 140 |
| 142 | 52.6 | 245.9 | 28,100 | 55.2 | 249.1 | 26,500 | 57.9 | 251.2 | 25,000 |      |       |        | 142 |
| 145 | 52.1 | 243.6 | 27,200 | 54.5 | 247.0 | 25,700 | 56.8 | 249.3 | 24,200 |      |       |        | 145 |
| 150 | 50.3 | 239.5 | 25,800 | 52.7 | 243.3 | 24,300 | 55.1 | 245.9 | 22,900 |      |       |        | 150 |
| 155 | 48.4 | 235.2 | 24,500 | 50.9 | 239.3 | 23,100 | 53.3 | 242.2 | 21,700 |      |       |        | 155 |
| 160 | 46.4 | 230.5 | 23,300 | 49.0 | 235.0 | 21,900 | 51.5 | 238.3 | 20,600 |      |       |        | 160 |
| 163 | 44.8 | 227.5 | 22,600 | 47.8 | 232.3 | 21,300 | 49.8 | 235.8 | 20,000 | 52.7 | 238.1 | 18,700 | 163 |
| 165 | 44.4 | 225.5 | 22,200 | 47.1 | 230.5 | 20,900 | 49.6 | 234.1 | 19,500 | 52.0 | 236.5 | 18,300 | 165 |
| 170 | 42.3 | 220.1 | 21,100 | 45.1 | 225.6 | 19,800 | 47.7 | 229.7 | 18,600 | 50.2 | 232.5 | 17,300 | 170 |
| 175 | 40.1 | 214.3 | 20,100 | 43.0 | 220.4 | 18,900 | 45.7 | 224.9 | 17,600 | 48.3 | 228.1 | 16,400 | 175 |
| 180 | 37.8 | 208.1 | 19,200 | 40.9 | 214.7 | 18,000 | 43.7 | 219.8 | 16,800 | 46.3 | 223.4 | 15,600 | 180 |
| 185 | 35.3 | 201.2 | 18,300 | 38.6 | 208.6 | 17,100 | 41.6 | 214.3 | 16,000 | 44.3 | 218.4 | 14,800 | 185 |
| 190 | 32.8 | 193.7 | 17,400 | 36.2 | 202.0 | 16,300 | 39.3 | 208.3 | 15,200 | 42.2 | 213.0 | 14,100 | 190 |
| 195 | 30.0 | 185.4 | 16,500 | 33.7 | 194.8 | 15,500 | 37.0 | 201.9 | 14,400 | 40.0 | 207.2 | 13,400 | 195 |
| 200 | 26.9 | 176.0 | 15,600 | 31.0 | 186.7 | 14,800 | 34.5 | 194.9 | 13,700 | 37.6 | 200.9 | 12,700 | 200 |
| 205 | 23.5 | 165.2 | 14,700 | 28.1 | 177.8 | 14,100 | 31.9 | 187.1 | 13,100 | 35.2 | 194.0 | 12,100 | 205 |
| 210 | 19.6 | 152.3 | 13,900 | 24.8 | 167.5 | 13,400 | 29.0 | 178.5 | 12,400 | 32.6 | 186.5 | 11,500 | 210 |
| 212 | 17.0 | 145.6 | 13,600 | 22.8 | 162.7 | 13,200 | 27.4 | 174.6 | 12,200 | 30.8 | 183.1 | 11,200 | 212 |
| 215 | 14.6 | 135.6 | 13,100 | 21.1 | 155.5 | 12,800 | 25.9 | 168.7 | 11,800 | 29.8 | 178.1 | 10,900 | 215 |
| 216 | 12.4 | 130.0 | 12,700 | 20.0 | 152.5 | 12,700 | 24.4 | 166.4 | 11,700 | 28.4 | 176.2 | 10,800 | 216 |
| 220 | 6.4  | 107.6 | 11,400 | 16.5 | 140.5 | 12,200 | 22.3 | 157.3 | 11,300 | 26.8 | 168.7 | 10,300 | 220 |
| 221 | 2.3  | 93.3  | 9,900  | 14.4 | 135.2 | 12,100 | 21.0 | 154.0 | 11,100 | 25.3 | 166.3 | 10,200 | 221 |
| 227 |      |       |        | 5.8  | 103.7 | 11,300 | 15.0 | 134.5 | 10,500 | 21.1 | 151.9 | 9,600  | 227 |
| 230 |      |       |        |      |       |        | 12.5 | 124.7 | 10,100 | 19.3 | 144.7 | 9,300  | 230 |
| 234 |      |       |        |      |       |        | 4.3  | 96.4  | 9,700  | 13.4 | 126.1 | 8,900  | 234 |
| 240 |      |       |        |      |       |        |      |       |        | 5.7  | 98.2  | 8,200  | 240 |



184,600 lb  
+  
44,000 lb



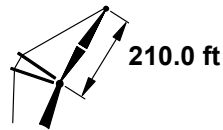
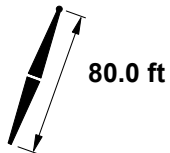
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 62                                                                                | 76.0                                                                                  | 291.5                                                                             | 46,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 62                                                                                  |
| 65                                                                                | 75.2                                                                                  | 290.7                                                                             | 46,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.8                                                                                  | 289.3                                                                             | 45,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 72                                                                                | 72.6                                                                                  | 288.7                                                                             | 45,200                                                                            | 74.0                                                                                  | 289.3                                                                             | 51,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 72                                                                                  |
| 75                                                                                | 72.3                                                                                  | 287.8                                                                             | 44,900                                                                            | 73.1                                                                                  | 288.4                                                                             | 51,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.9                                                                                  | 286.1                                                                             | 44,300                                                                            | 71.7                                                                                  | 286.8                                                                             | 50,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.4                                                                                  | 284.2                                                                             | 43,800                                                                            | 70.3                                                                                  | 285.0                                                                             | 50,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 87                                                                                | 68.2                                                                                  | 283.4                                                                             | 43,600                                                                            | 69.2                                                                                  | 284.3                                                                             | 50,000                                                                            | 70.9                                                                                    | 285.3                                                                               | 48,900                                                                              | 87                                                                                  |
| 90                                                                                | 68.0                                                                                  | 282.2                                                                             | 43,300                                                                            | 68.8                                                                                  | 283.1                                                                             | 49,700                                                                            | 70.0                                                                                    | 284.2                                                                               | 48,600                                                                              | 90                                                                                  |
| 95                                                                                | 66.5                                                                                  | 280.1                                                                             | 42,800                                                                            | 67.3                                                                                  | 281.1                                                                             | 49,100                                                                            | 68.5                                                                                    | 282.3                                                                               | 48,200                                                                              | 95                                                                                  |
| 100                                                                               | 65.0                                                                                  | 277.8                                                                             | 42,300                                                                            | 65.8                                                                                  | 278.9                                                                             | 48,600                                                                            | 67.1                                                                                    | 280.2                                                                               | 47,600                                                                              | 100                                                                                 |
| 101                                                                               | 63.8                                                                                  | 277.3                                                                             | 42,200                                                                            | 64.8                                                                                  | 278.4                                                                             | 48,000                                                                            | 66.6                                                                                    | 279.8                                                                               | 47,000                                                                              | 101                                                                                 |
| 105                                                                               | 63.5                                                                                  | 275.4                                                                             | 41,800                                                                            | 64.3                                                                                  | 276.5                                                                             | 45,800                                                                            | 65.6                                                                                    | 278.0                                                                               | 44,500                                                                              | 105                                                                                 |
| 110                                                                               | 61.9                                                                                  | 272.7                                                                             | 40,900                                                                            | 62.8                                                                                  | 274.0                                                                             | 42,700                                                                            | 64.1                                                                                    | 275.6                                                                               | 41,700                                                                              | 110                                                                                 |
| 115                                                                               | 60.4                                                                                  | 270.0                                                                             | 38,100                                                                            | 61.2                                                                                  | 271.3                                                                             | 39,700                                                                            | 62.5                                                                                    | 273.0                                                                               | 39,100                                                                              | 115                                                                                 |
| 120                                                                               | 58.8                                                                                  | 267.0                                                                             | 35,600                                                                            | 59.7                                                                                  | 268.4                                                                             | 37,000                                                                            | 61.0                                                                                    | 270.3                                                                               | 36,800                                                                              | 120                                                                                 |
| 125                                                                               | 57.2                                                                                  | 263.8                                                                             | 33,200                                                                            | 58.1                                                                                  | 265.4                                                                             | 34,500                                                                            | 59.4                                                                                    | 267.4                                                                               | 34,700                                                                              | 125                                                                                 |
| 130                                                                               | 55.5                                                                                  | 260.4                                                                             | 31,100                                                                            | 56.4                                                                                  | 262.1                                                                             | 32,300                                                                            | 57.8                                                                                    | 264.3                                                                               | 32,800                                                                              | 130                                                                                 |
| 135                                                                               | 53.8                                                                                  | 256.8                                                                             | 29,200                                                                            | 54.8                                                                                  | 258.6                                                                             | 30,200                                                                            | 56.2                                                                                    | 261.0                                                                               | 31,000                                                                              | 135                                                                                 |
| 140                                                                               | 52.1                                                                                  | 253.0                                                                             | 27,400                                                                            | 53.1                                                                                  | 255.0                                                                             | 28,400                                                                            | 54.5                                                                                    | 257.5                                                                               | 29,300                                                                              | 140                                                                                 |
| 145                                                                               | 50.4                                                                                  | 249.0                                                                             | 25,700                                                                            | 51.4                                                                                  | 251.0                                                                             | 26,600                                                                            | 52.8                                                                                    | 253.8                                                                               | 27,800                                                                              | 145                                                                                 |
| 147                                                                               | 49.2                                                                                  | 247.2                                                                             | 25,100                                                                            | 50.2                                                                                  | 249.3                                                                             | 26,000                                                                            | 51.6                                                                                    | 252.2                                                                               | 27,200                                                                              | 147                                                                                 |
| 150                                                                               | 48.6                                                                                  | 244.6                                                                             | 24,200                                                                            | 49.6                                                                                  | 246.8                                                                             | 25,000                                                                            | 51.1                                                                                    | 249.8                                                                               | 26,400                                                                              | 150                                                                                 |
| 155                                                                               | 46.7                                                                                  | 240.0                                                                             | 22,700                                                                            | 47.7                                                                                  | 242.4                                                                             | 23,500                                                                            | 49.3                                                                                    | 245.6                                                                               | 24,800                                                                              | 155                                                                                 |
| 160                                                                               | 44.8                                                                                  | 235.1                                                                             | 21,400                                                                            | 45.9                                                                                  | 237.6                                                                             | 22,100                                                                            | 47.4                                                                                    | 241.1                                                                               | 23,300                                                                              | 160                                                                                 |
| 165                                                                               | 42.8                                                                                  | 229.8                                                                             | 20,200                                                                            | 43.9                                                                                  | 232.6                                                                             | 20,900                                                                            | 45.5                                                                                    | 236.3                                                                               | 21,900                                                                              | 165                                                                                 |
| 169                                                                               | 40.4                                                                                  | 225.3                                                                             | 19,200                                                                            | 41.4                                                                                  | 228.2                                                                             | 19,900                                                                            | 43.4                                                                                    | 232.2                                                                               | 20,900                                                                              | 169                                                                                 |
| 170                                                                               | 40.7                                                                                  | 224.1                                                                             | 19,000                                                                            | 41.9                                                                                  | 227.1                                                                             | 19,600                                                                            | 43.6                                                                                    | 231.1                                                                               | 20,600                                                                              | 170                                                                                 |
| 175                                                                               | 38.6                                                                                  | 218.0                                                                             | 17,900                                                                            | 39.8                                                                                  | 221.3                                                                             | 18,500                                                                            | 41.6                                                                                    | 225.6                                                                               | 19,400                                                                              | 175                                                                                 |
| 180                                                                               | 36.3                                                                                  | 211.4                                                                             | 16,900                                                                            | 37.6                                                                                  | 214.9                                                                             | 17,500                                                                            | 39.4                                                                                    | 219.7                                                                               | 18,300                                                                              | 180                                                                                 |
| 185                                                                               | 33.9                                                                                  | 204.2                                                                             | 15,900                                                                            | 35.3                                                                                  | 208.1                                                                             | 16,500                                                                            | 37.2                                                                                    | 213.3                                                                               | 17,300                                                                              | 185                                                                                 |
| 190                                                                               | 31.4                                                                                  | 196.3                                                                             | 15,000                                                                            | 32.8                                                                                  | 200.6                                                                             | 15,500                                                                            | 34.9                                                                                    | 206.3                                                                               | 16,300                                                                              | 190                                                                                 |
| 195                                                                               | 28.6                                                                                  | 187.5                                                                             | 14,200                                                                            | 30.2                                                                                  | 192.3                                                                             | 14,600                                                                            | 32.4                                                                                    | 198.7                                                                               | 15,300                                                                              | 195                                                                                 |
| 200                                                                               | 25.6                                                                                  | 177.6                                                                             | 13,300                                                                            | 27.3                                                                                  | 183.1                                                                             | 13,800                                                                            | 29.7                                                                                    | 190.3                                                                               | 14,500                                                                              | 200                                                                                 |
| 210                                                                               | 18.1                                                                                  | 152.2                                                                             | 11,800                                                                            | 20.5                                                                                  | 160.1                                                                             | 12,200                                                                            | 23.6                                                                                    | 170.1                                                                               | 12,800                                                                              | 210                                                                                 |
| 220                                                                               | 1.5                                                                                   | 92.4                                                                              | 5,900                                                                             | 9.8                                                                                   | 122.2                                                                             | 9,200                                                                             | 15.2                                                                                    | 141.0                                                                               | 11,300                                                                              | 220                                                                                 |
| 222                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.5                                                                                   | 106.5                                                                             | 7,700                                                                             | 11.7                                                                                    | 129.9                                                                               | 10,500                                                                              | 222                                                                                 |
| 226                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.9                                                                                     | 107.7                                                                               | 8,700                                                                               | 226                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 231                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 231                                                                                 |
| 237                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 237                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 244                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 244                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |

# MLC250 S-2

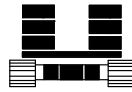
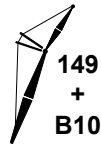
ASME B30.5



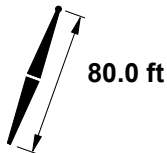
184,600 lb  
+  
44,000 lb



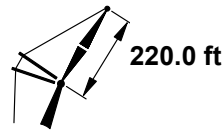
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 87  |      |       |        |      |       |        |      |       |        |      |       |        | 87  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 68.0 | 280.8 | 45,600 |      |       |        |      |       |        |      |       |        | 101 |
| 105 | 66.8 | 279.1 | 43,100 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 65.3 | 276.8 | 40,400 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 63.8 | 274.4 | 37,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 62.3 | 271.8 | 35,700 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 60.7 | 269.1 | 33,600 | 62.8 | 271.1 | 31,800 |      |       |        |      |       |        | 125 |
| 130 | 59.1 | 266.1 | 31,700 | 61.3 | 268.4 | 29,900 |      |       |        |      |       |        | 130 |
| 135 | 57.5 | 263.0 | 30,000 | 59.7 | 265.5 | 28,300 |      |       |        |      |       |        | 135 |
| 140 | 55.9 | 259.7 | 28,300 | 58.1 | 262.4 | 26,700 |      |       |        |      |       |        | 140 |
| 145 | 54.2 | 256.1 | 26,800 | 56.5 | 259.2 | 25,300 |      |       |        |      |       |        | 145 |
| 147 | 53.2 | 254.6 | 26,300 | 55.2 | 257.8 | 24,800 | 58.0 | 259.9 | 23,200 |      |       |        | 147 |
| 150 | 52.5 | 252.4 | 25,500 | 54.8 | 255.7 | 24,000 | 57.0 | 258.0 | 22,500 |      |       |        | 150 |
| 155 | 50.7 | 248.4 | 24,200 | 53.1 | 252.0 | 22,700 | 55.3 | 254.6 | 21,300 |      |       |        | 155 |
| 160 | 49.0 | 244.1 | 23,000 | 51.4 | 248.1 | 21,600 | 53.7 | 251.0 | 20,200 |      |       |        | 160 |
| 165 | 47.1 | 239.5 | 21,800 | 49.6 | 243.9 | 20,500 | 51.9 | 247.1 | 19,200 |      |       |        | 165 |
| 169 | 45.4 | 235.6 | 21,000 | 47.4 | 240.4 | 19,700 | 50.2 | 243.8 | 18,400 | 52.8 | 246.1 | 17,100 | 169 |
| 170 | 45.2 | 234.7 | 20,800 | 47.8 | 239.5 | 19,500 | 50.2 | 243.0 | 18,200 | 52.4 | 245.3 | 16,900 | 170 |
| 175 | 43.2 | 229.5 | 19,800 | 45.9 | 234.7 | 18,500 | 48.4 | 238.7 | 17,300 | 50.7 | 241.3 | 16,100 | 175 |
| 180 | 41.2 | 223.9 | 18,800 | 43.9 | 229.7 | 17,600 | 46.5 | 234.0 | 16,400 | 48.9 | 237.0 | 15,200 | 180 |
| 185 | 39.1 | 217.9 | 17,900 | 41.9 | 224.2 | 16,800 | 44.6 | 229.0 | 15,600 | 47.0 | 232.5 | 14,400 | 185 |
| 190 | 36.8 | 211.4 | 17,100 | 39.8 | 218.4 | 15,900 | 42.6 | 223.7 | 14,800 | 45.1 | 227.6 | 13,700 | 190 |
| 195 | 34.5 | 204.3 | 16,100 | 37.6 | 212.0 | 15,200 | 40.5 | 218.0 | 14,100 | 43.1 | 222.4 | 13,000 | 195 |
| 200 | 31.9 | 196.6 | 15,200 | 35.3 | 205.2 | 14,500 | 38.3 | 211.8 | 13,400 | 41.1 | 216.8 | 12,300 | 200 |
| 210 | 26.3 | 178.3 | 13,500 | 30.2 | 189.4 | 13,100 | 33.7 | 197.9 | 12,100 | 36.7 | 204.2 | 11,100 | 210 |
| 220 | 19.1 | 154.0 | 11,900 | 24.2 | 169.7 | 11,900 | 28.3 | 181.0 | 10,900 | 31.8 | 189.3 | 10,000 | 220 |
| 222 | 16.4 | 144.8 | 11,500 | 22.4 | 164.1 | 11,600 | 26.6 | 176.6 | 10,700 | 30.0 | 185.6 | 9,800  | 222 |
| 226 | 11.2 | 126.5 | 10,500 | 19.2 | 153.0 | 11,200 | 23.8 | 167.9 | 10,300 | 28.0 | 178.3 | 9,400  | 226 |
| 230 | 6.3  | 108.2 | 9,600  | 16.1 | 141.9 | 10,700 | 21.8 | 159.2 | 9,800  | 26.1 | 171.0 | 8,900  | 230 |
| 231 | 2.2  | 93.4  | 8,300  | 14.4 | 136.5 | 10,600 | 20.1 | 155.9 | 9,700  | 25.2 | 168.5 | 8,800  | 231 |
| 237 |      |       |        | 5.6  | 104.1 | 9,900  | 14.7 | 135.8 | 9,100  | 20.4 | 153.8 | 8,300  | 237 |
| 240 |      |       |        |      |       |        | 12.2 | 125.7 | 8,800  | 18.9 | 146.4 | 8,000  | 240 |
| 244 |      |       |        |      |       |        | 4.2  | 96.8  | 8,400  | 12.8 | 127.3 | 7,600  | 244 |
| 250 |      |       |        |      |       |        |      |       |        | 5.5  | 98.6  | 7,000  | 250 |



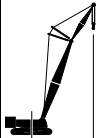
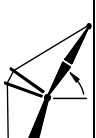
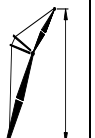
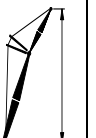
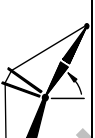
184,600 lb  
+  
44,000 lb



80.0 ft

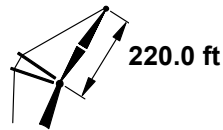
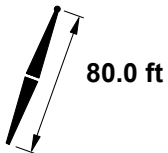


220.0 ft

|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 65                                                                                   | 75.9                                                                                  | 301.1                                                                                | 41,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 74.5                                                                                  | 299.7                                                                                | 41,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 73.2                                                                                  | 298.3                                                                                | 40,600                                                                               | 73.9                                                                                  | 298.9                                                                                | 46,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 71.8                                                                                  | 296.6                                                                                | 40,100                                                                               | 72.6                                                                                  | 297.3                                                                                | 45,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 70.4                                                                                  | 294.9                                                                                | 39,600                                                                               | 71.2                                                                                  | 295.7                                                                                | 45,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 69.0                                                                                  | 293.0                                                                                | 39,000                                                                               | 69.8                                                                                  | 293.9                                                                                | 44,800                                                                               | 71.0                                                                                    | 294.9                                                                                  | 43,800                                                                                 | 90                                                                                     |
| 95                                                                                   | 67.6                                                                                  | 291.0                                                                                | 38,600                                                                               | 68.4                                                                                  | 291.9                                                                                | 44,300                                                                               | 69.6                                                                                    | 293.0                                                                                  | 43,400                                                                                 | 95                                                                                     |
| 100                                                                                  | 66.2                                                                                  | 288.8                                                                                | 38,100                                                                               | 67.0                                                                                  | 289.8                                                                                | 43,700                                                                               | 68.2                                                                                    | 291.1                                                                                  | 42,900                                                                                 | 100                                                                                    |
| 105                                                                                  | 64.8                                                                                  | 286.5                                                                                | 37,600                                                                               | 65.6                                                                                  | 287.6                                                                                | 43,200                                                                               | 66.8                                                                                    | 288.9                                                                                  | 42,500                                                                                 | 105                                                                                    |
| 110                                                                                  | 63.3                                                                                  | 284.0                                                                                | 37,100                                                                               | 64.1                                                                                  | 285.2                                                                                | 42,200                                                                               | 65.3                                                                                    | 286.7                                                                                  | 41,200                                                                                 | 110                                                                                    |
| 115                                                                                  | 61.8                                                                                  | 281.4                                                                                | 36,700                                                                               | 62.7                                                                                  | 282.7                                                                                | 39,200                                                                               | 63.9                                                                                    | 284.3                                                                                  | 38,700                                                                                 | 115                                                                                    |
| 120                                                                                  | 60.4                                                                                  | 278.6                                                                                | 35,100                                                                               | 61.2                                                                                  | 280.0                                                                                | 36,500                                                                               | 62.4                                                                                    | 281.7                                                                                  | 36,400                                                                                 | 120                                                                                    |
| 125                                                                                  | 58.8                                                                                  | 275.6                                                                                | 32,700                                                                               | 59.7                                                                                  | 277.1                                                                                | 34,000                                                                               | 60.9                                                                                    | 279.0                                                                                  | 34,300                                                                                 | 125                                                                                    |
| 129                                                                                  | 57.2                                                                                  | 273.1                                                                                | 31,000                                                                               | 58.2                                                                                  | 274.6                                                                                | 32,200                                                                               | 59.2                                                                                    | 276.7                                                                                  | 32,700                                                                                 | 129                                                                                    |
| 130                                                                                  | 57.3                                                                                  | 272.5                                                                                | 30,600                                                                               | 58.2                                                                                  | 274.0                                                                                | 31,800                                                                               | 59.4                                                                                    | 276.1                                                                                  | 32,300                                                                                 | 130                                                                                    |
| 135                                                                                  | 55.7                                                                                  | 269.1                                                                                | 28,600                                                                               | 56.6                                                                                  | 270.8                                                                                | 29,700                                                                               | 57.9                                                                                    | 273.0                                                                                  | 30,500                                                                                 | 135                                                                                    |
| 140                                                                                  | 54.1                                                                                  | 265.6                                                                                | 26,900                                                                               | 55.0                                                                                  | 267.4                                                                                | 27,800                                                                               | 56.3                                                                                    | 269.7                                                                                  | 28,900                                                                                 | 140                                                                                    |
| 145                                                                                  | 52.5                                                                                  | 261.8                                                                                | 25,200                                                                               | 53.4                                                                                  | 263.7                                                                                | 26,100                                                                               | 54.8                                                                                    | 266.2                                                                                  | 27,400                                                                                 | 145                                                                                    |
| 150                                                                                  | 50.8                                                                                  | 257.8                                                                                | 23,700                                                                               | 51.8                                                                                  | 259.8                                                                                | 24,500                                                                               | 53.1                                                                                    | 262.6                                                                                  | 25,800                                                                                 | 150                                                                                    |
| 153                                                                                  | 49.4                                                                                  | 255.3                                                                                | 22,800                                                                               | 50.4                                                                                  | 257.4                                                                                | 23,600                                                                               | 51.8                                                                                    | 260.2                                                                                  | 24,900                                                                                 | 153                                                                                    |
| 155                                                                                  | 49.1                                                                                  | 253.6                                                                                | 22,200                                                                               | 50.1                                                                                  | 255.7                                                                                | 23,000                                                                               | 51.5                                                                                    | 258.6                                                                                  | 24,300                                                                                 | 155                                                                                    |
| 160                                                                                  | 47.4                                                                                  | 249.0                                                                                | 20,900                                                                               | 48.4                                                                                  | 251.4                                                                                | 21,600                                                                               | 49.8                                                                                    | 254.5                                                                                  | 22,800                                                                                 | 160                                                                                    |
| 165                                                                                  | 45.6                                                                                  | 244.2                                                                                | 19,700                                                                               | 46.6                                                                                  | 246.7                                                                                | 20,300                                                                               | 48.1                                                                                    | 250.1                                                                                  | 21,400                                                                                 | 165                                                                                    |
| 170                                                                                  | 43.7                                                                                  | 239.1                                                                                | 18,500                                                                               | 44.7                                                                                  | 241.8                                                                                | 19,100                                                                               | 46.3                                                                                    | 245.4                                                                                  | 20,100                                                                                 | 170                                                                                    |
| 175                                                                                  | 41.8                                                                                  | 233.6                                                                                | 17,400                                                                               | 42.9                                                                                  | 236.5                                                                                | 18,000                                                                               | 44.4                                                                                    | 240.4                                                                                  | 18,900                                                                                 | 175                                                                                    |
| 180                                                                                  | 39.8                                                                                  | 227.8                                                                                | 16,400                                                                               | 40.9                                                                                  | 230.9                                                                                | 16,900                                                                               | 42.5                                                                                    | 235.1                                                                                  | 17,800                                                                                 | 180                                                                                    |
| 185                                                                                  | 37.7                                                                                  | 221.4                                                                                | 15,400                                                                               | 38.8                                                                                  | 224.8                                                                                | 15,900                                                                               | 40.5                                                                                    | 229.3                                                                                  | 16,800                                                                                 | 185                                                                                    |
| 190                                                                                  | 35.5                                                                                  | 214.6                                                                                | 14,500                                                                               | 36.7                                                                                  | 218.3                                                                                | 15,000                                                                               | 38.5                                                                                    | 223.2                                                                                  | 15,800                                                                                 | 190                                                                                    |
| 195                                                                                  | 33.1                                                                                  | 207.2                                                                                | 13,600                                                                               | 34.4                                                                                  | 211.2                                                                                | 14,100                                                                               | 36.3                                                                                    | 216.6                                                                                  | 14,800                                                                                 | 195                                                                                    |
| 200                                                                                  | 30.6                                                                                  | 199.0                                                                                | 12,800                                                                               | 32.0                                                                                  | 203.5                                                                                | 13,300                                                                               | 34.0                                                                                    | 209.4                                                                                  | 13,900                                                                                 | 200                                                                                    |
| 205                                                                                  | 27.9                                                                                  | 190.0                                                                                | 12,000                                                                               | 29.5                                                                                  | 194.9                                                                                | 12,500                                                                               | 31.6                                                                                    | 201.6                                                                                  | 13,100                                                                                 | 205                                                                                    |
| 210                                                                                  | 25.0                                                                                  | 179.8                                                                                | 11,300                                                                               | 26.7                                                                                  | 185.4                                                                                | 11,700                                                                               | 29.0                                                                                    | 192.9                                                                                  | 12,300                                                                                 | 210                                                                                    |
| 215                                                                                  | 21.7                                                                                  | 168.0                                                                                | 10,600                                                                               | 23.6                                                                                  | 174.6                                                                                | 11,000                                                                               | 26.2                                                                                    | 183.2                                                                                  | 11,600                                                                                 | 215                                                                                    |
| 220                                                                                  | 17.7                                                                                  | 153.8                                                                                | 9,900                                                                                | 20.0                                                                                  | 161.9                                                                                | 10,300                                                                               | 23.0                                                                                    | 172.1                                                                                  | 10,800                                                                                 | 220                                                                                    |
| 225                                                                                  | 12.6                                                                                  | 134.9                                                                                | 8,100                                                                                | 15.7                                                                                  | 146.0                                                                                | 9,600                                                                                | 19.3                                                                                    | 158.9                                                                                  | 10,200                                                                                 | 225                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.5                                                                                   | 123.0                                                                                | 7,500                                                                                | 14.8                                                                                    | 142.3                                                                                  | 9,500                                                                                  | 230                                                                                    |
| 232                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.3                                                                                   | 106.9                                                                                | 6,000                                                                                | 11.0                                                                                    | 130.9                                                                                  | 8,700                                                                                  | 232                                                                                    |
| 236                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.8                                                                                     | 108.1                                                                                  | 7,000                                                                                  | 236                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 241                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 241                                                                                    |
| 247                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 247                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |
| 254                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 254                                                                                    |
| 260                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 260                                                                                    |



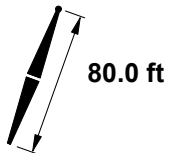
184,600 lb  
+  
44,000 lb



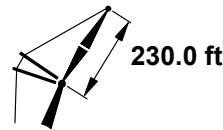
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     | ft  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 67.9 | 290.0 | 42,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 66.5 | 287.8 | 39,900 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 65.1 | 285.5 | 37,500 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 63.6 | 283.1 | 35,200 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 62.2 | 280.5 | 33,100 |      |       |        |      |       |        |      |       |        | 125 |
| 129 | 60.4 | 278.3 | 31,600 | 63.0 | 280.3 | 29,800 |      |       |        |      |       |        | 129 |
| 130 | 60.7 | 277.7 | 31,300 | 62.7 | 279.7 | 29,500 |      |       |        |      |       |        | 130 |
| 135 | 59.2 | 274.8 | 29,500 | 61.2 | 277.0 | 27,800 |      |       |        |      |       |        | 135 |
| 140 | 57.6 | 271.7 | 27,900 | 59.7 | 274.2 | 26,300 |      |       |        |      |       |        | 140 |
| 145 | 56.1 | 268.4 | 26,400 | 58.2 | 271.1 | 24,800 |      |       |        |      |       |        | 145 |
| 150 | 54.5 | 264.9 | 25,000 | 56.6 | 267.9 | 23,500 |      |       |        |      |       |        | 150 |
| 153 | 52.8 | 262.6 | 24,300 | 55.4 | 265.8 | 22,800 | 57.7 | 267.9 | 21,300 |      |       |        | 153 |
| 155 | 52.9 | 261.2 | 23,700 | 55.0 | 264.4 | 22,300 | 57.1 | 266.6 | 20,800 |      |       |        | 155 |
| 160 | 51.2 | 257.2 | 22,500 | 53.4 | 260.8 | 21,100 | 55.6 | 263.3 | 19,700 |      |       |        | 160 |
| 165 | 49.5 | 253.0 | 21,400 | 51.8 | 256.9 | 20,000 | 54.0 | 259.7 | 18,700 |      |       |        | 165 |
| 170 | 47.7 | 248.5 | 20,300 | 50.1 | 252.8 | 19,000 | 52.3 | 255.9 | 17,700 |      |       |        | 170 |
| 175 | 46.0 | 243.8 | 19,300 | 48.4 | 248.5 | 18,100 | 50.6 | 251.9 | 16,800 | 52.8 | 254.1 | 15,600 | 175 |
| 180 | 44.1 | 238.7 | 18,400 | 46.6 | 243.8 | 17,200 | 48.9 | 247.6 | 15,900 | 51.1 | 250.1 | 14,700 | 180 |
| 185 | 42.2 | 233.3 | 17,500 | 44.8 | 238.9 | 16,300 | 47.2 | 243.0 | 15,100 | 49.4 | 245.9 | 13,900 | 185 |
| 190 | 40.2 | 227.6 | 16,600 | 42.9 | 233.6 | 15,500 | 45.4 | 238.2 | 14,300 | 47.7 | 241.5 | 13,200 | 190 |
| 195 | 38.1 | 221.4 | 15,600 | 40.9 | 228.0 | 14,700 | 43.5 | 233.0 | 13,600 | 45.9 | 236.7 | 12,500 | 195 |
| 200 | 35.9 | 214.6 | 14,700 | 38.9 | 221.9 | 14,000 | 41.5 | 227.5 | 12,900 | 44.0 | 231.6 | 11,900 | 200 |
| 205 | 33.6 | 207.4 | 13,800 | 36.7 | 215.4 | 13,300 | 39.5 | 221.6 | 12,300 | 42.1 | 226.2 | 11,200 | 205 |
| 210 | 31.2 | 199.4 | 12,900 | 34.5 | 208.3 | 12,700 | 37.4 | 215.2 | 11,600 | 40.1 | 220.4 | 10,600 | 210 |
| 215 | 28.5 | 190.5 | 12,200 | 32.1 | 200.6 | 12,100 | 35.2 | 208.3 | 11,000 | 38.0 | 214.2 | 10,100 | 215 |
| 220 | 25.6 | 180.6 | 11,400 | 29.5 | 192.1 | 11,500 | 32.9 | 200.8 | 10,500 | 35.8 | 207.4 | 9,500  | 220 |
| 225 | 22.4 | 169.2 | 10,700 | 26.7 | 182.6 | 10,900 | 30.3 | 192.6 | 9,900  | 33.5 | 200.1 | 9,000  | 225 |
| 230 | 18.6 | 155.6 | 10,000 | 23.6 | 171.8 | 10,300 | 27.6 | 183.4 | 9,400  | 31.1 | 192.1 | 8,500  | 230 |
| 232 | 15.6 | 146.2 | 9,600  | 21.4 | 166.1 | 10,100 | 25.8 | 179.0 | 9,200  | 29.8 | 188.3 | 8,300  | 232 |
| 236 | 10.8 | 127.4 | 8,800  | 18.2 | 154.6 | 9,700  | 23.4 | 170.0 | 8,800  | 27.4 | 180.8 | 7,900  | 236 |
| 240 | 6.1  | 108.7 | 7,900  | 15.7 | 143.2 | 9,300  | 21.2 | 161.1 | 8,400  | 25.5 | 173.2 | 7,500  | 240 |
| 241 | 2.2  | 93.6  | 6,600  | 13.6 | 137.7 | 9,200  | 20.0 | 157.6 | 8,300  | 24.3 | 170.7 | 7,400  | 241 |
| 247 |      |       |        | 5.5  | 104.6 | 8,500  | 14.0 | 137.1 | 7,700  | 20.1 | 155.6 | 6,800  | 247 |
| 250 |      |       |        |      |       |        | 11.9 | 126.8 | 7,500  | 18.4 | 148.0 | 6,500  | 250 |
| 254 |      |       |        |      |       |        | 4.1  | 97.1  | 7,100  | 12.8 | 128.4 | 6,100  | 254 |
| 260 |      |       |        |      |       |        |      |       |        | 5.4  | 99.1  | 5,500  | 260 |



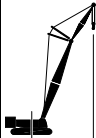
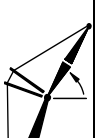
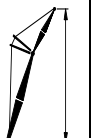
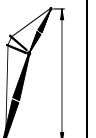
184,600 lb  
+  
44,000 lb



80.0 ft



230.0 ft

|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 67                                                                                | 76.0                                                                                  | 310.9                                                                             | 38,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 67                                                                                  |
| 70                                                                                | 75.2                                                                                  | 310.1                                                                             | 38,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 73.9                                                                                  | 308.7                                                                             | 37,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 78                                                                                | 72.4                                                                                  | 307.8                                                                             | 37,600                                                                            | 73.9                                                                                  | 308.4                                                                             | 43,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 78                                                                                  |
| 80                                                                                | 72.6                                                                                  | 307.2                                                                             | 37,400                                                                            | 73.3                                                                                  | 307.8                                                                             | 43,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 71.3                                                                                  | 305.5                                                                             | 36,900                                                                            | 72.0                                                                                  | 306.2                                                                             | 42,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 70.0                                                                                  | 303.7                                                                             | 36,500                                                                            | 70.7                                                                                  | 304.5                                                                             | 42,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 93                                                                                | 68.4                                                                                  | 302.6                                                                             | 36,200                                                                            | 69.4                                                                                  | 303.4                                                                             | 41,800                                                                            | 71.0                                                                                    | 304.4                                                                               | 41,100                                                                              | 93                                                                                  |
| 95                                                                                | 68.6                                                                                  | 301.8                                                                             | 36,000                                                                            | 69.4                                                                                  | 302.7                                                                             | 41,600                                                                            | 70.5                                                                                    | 303.7                                                                               | 41,000                                                                              | 95                                                                                  |
| 100                                                                               | 67.3                                                                                  | 299.7                                                                             | 35,600                                                                            | 68.1                                                                                  | 300.7                                                                             | 41,100                                                                            | 69.2                                                                                    | 301.8                                                                               | 40,600                                                                              | 100                                                                                 |
| 105                                                                               | 65.9                                                                                  | 297.5                                                                             | 35,200                                                                            | 66.7                                                                                  | 298.6                                                                             | 40,700                                                                            | 67.8                                                                                    | 299.8                                                                               | 40,200                                                                              | 105                                                                                 |
| 109                                                                               | 64.2                                                                                  | 295.7                                                                             | 34,900                                                                            | 65.2                                                                                  | 296.8                                                                             | 40,300                                                                            | 66.2                                                                                    | 298.1                                                                               | 39,900                                                                              | 109                                                                                 |
| 110                                                                               | 64.6                                                                                  | 295.2                                                                             | 34,800                                                                            | 65.3                                                                                  | 296.3                                                                             | 40,200                                                                            | 66.5                                                                                    | 297.7                                                                               | 39,900                                                                              | 110                                                                                 |
| 115                                                                               | 63.2                                                                                  | 292.7                                                                             | 34,400                                                                            | 64.0                                                                                  | 293.9                                                                             | 38,700                                                                            | 65.1                                                                                    | 295.4                                                                               | 38,400                                                                              | 115                                                                                 |
| 120                                                                               | 61.8                                                                                  | 290.1                                                                             | 34,000                                                                            | 62.6                                                                                  | 291.3                                                                             | 36,000                                                                            | 63.7                                                                                    | 293.0                                                                               | 36,100                                                                              | 120                                                                                 |
| 125                                                                               | 60.3                                                                                  | 287.3                                                                             | 32,300                                                                            | 61.1                                                                                  | 288.6                                                                             | 33,600                                                                            | 62.3                                                                                    | 290.4                                                                               | 34,000                                                                              | 125                                                                                 |
| 130                                                                               | 58.9                                                                                  | 284.3                                                                             | 30,200                                                                            | 59.7                                                                                  | 285.8                                                                             | 31,400                                                                            | 60.9                                                                                    | 287.6                                                                               | 32,000                                                                              | 130                                                                                 |
| 134                                                                               | 57.2                                                                                  | 281.8                                                                             | 28,600                                                                            | 58.2                                                                                  | 283.3                                                                             | 29,700                                                                            | 59.2                                                                                    | 285.3                                                                               | 30,600                                                                              | 134                                                                                 |
| 135                                                                               | 57.4                                                                                  | 281.2                                                                             | 28,200                                                                            | 58.2                                                                                  | 282.7                                                                             | 29,300                                                                            | 59.5                                                                                    | 284.7                                                                               | 30,200                                                                              | 135                                                                                 |
| 140                                                                               | 55.9                                                                                  | 277.8                                                                             | 26,400                                                                            | 56.8                                                                                  | 279.5                                                                             | 27,400                                                                            | 58.0                                                                                    | 281.7                                                                               | 28,600                                                                              | 140                                                                                 |
| 145                                                                               | 54.4                                                                                  | 274.3                                                                             | 24,800                                                                            | 55.3                                                                                  | 276.1                                                                             | 25,700                                                                            | 56.5                                                                                    | 278.4                                                                               | 27,100                                                                              | 145                                                                                 |
| 150                                                                               | 52.8                                                                                  | 270.6                                                                             | 23,200                                                                            | 53.7                                                                                  | 272.5                                                                             | 24,100                                                                            | 55.0                                                                                    | 275.0                                                                               | 25,400                                                                              | 150                                                                                 |
| 155                                                                               | 51.3                                                                                  | 266.6                                                                             | 21,800                                                                            | 52.1                                                                                  | 268.6                                                                             | 22,600                                                                            | 53.5                                                                                    | 271.3                                                                               | 23,800                                                                              | 155                                                                                 |
| 158                                                                               | 49.8                                                                                  | 264.1                                                                             | 21,000                                                                            | 50.8                                                                                  | 266.2                                                                             | 21,800                                                                            | 51.8                                                                                    | 269.0                                                                               | 23,000                                                                              | 158                                                                                 |
| 160                                                                               | 49.6                                                                                  | 262.5                                                                             | 20,500                                                                            | 50.5                                                                                  | 264.6                                                                             | 21,200                                                                            | 51.9                                                                                    | 267.4                                                                               | 22,400                                                                              | 160                                                                                 |
| 165                                                                               | 48.0                                                                                  | 258.0                                                                             | 19,300                                                                            | 48.9                                                                                  | 260.3                                                                             | 19,900                                                                            | 50.3                                                                                    | 263.4                                                                               | 21,000                                                                              | 165                                                                                 |
| 170                                                                               | 46.3                                                                                  | 253.3                                                                             | 18,100                                                                            | 47.2                                                                                  | 255.8                                                                             | 18,700                                                                            | 48.6                                                                                    | 259.0                                                                               | 19,700                                                                              | 170                                                                                 |
| 175                                                                               | 44.5                                                                                  | 248.3                                                                             | 17,000                                                                            | 45.5                                                                                  | 250.9                                                                             | 17,600                                                                            | 46.9                                                                                    | 254.4                                                                               | 18,500                                                                              | 175                                                                                 |
| 180                                                                               | 42.7                                                                                  | 243.0                                                                             | 16,000                                                                            | 43.7                                                                                  | 245.8                                                                             | 16,500                                                                            | 45.2                                                                                    | 249.6                                                                               | 17,400                                                                              | 180                                                                                 |
| 181                                                                               | 41.6                                                                                  | 241.9                                                                             | 15,800                                                                            | 42.6                                                                                  | 244.7                                                                             | 16,300                                                                            | 44.6                                                                                    | 248.5                                                                               | 17,200                                                                              | 181                                                                                 |
| 185                                                                               | 40.8                                                                                  | 237.4                                                                             | 15,000                                                                            | 41.9                                                                                  | 240.3                                                                             | 15,500                                                                            | 43.4                                                                                    | 244.4                                                                               | 16,400                                                                              | 185                                                                                 |
| 190                                                                               | 38.8                                                                                  | 231.3                                                                             | 14,100                                                                            | 39.9                                                                                  | 234.5                                                                             | 14,600                                                                            | 41.5                                                                                    | 238.9                                                                               | 15,400                                                                              | 190                                                                                 |
| 200                                                                               | 34.6                                                                                  | 217.7                                                                             | 12,400                                                                            | 35.9                                                                                  | 221.5                                                                             | 12,900                                                                            | 37.6                                                                                    | 226.6                                                                               | 13,600                                                                              | 200                                                                                 |
| 210                                                                               | 29.9                                                                                  | 201.7                                                                             | 10,900                                                                            | 31.3                                                                                  | 206.3                                                                             | 11,300                                                                            | 33.3                                                                                    | 212.4                                                                               | 11,900                                                                              | 210                                                                                 |
| 220                                                                               | 24.4                                                                                  | 182.0                                                                             | 9,600                                                                             | 26.1                                                                                  | 187.7                                                                             | 9,900                                                                             | 28.4                                                                                    | 195.4                                                                               | 10,500                                                                              | 220                                                                                 |
| 230                                                                               | 17.3                                                                                  | 155.3                                                                             | 8,300                                                                             | 19.6                                                                                  | 163.6                                                                             | 8,600                                                                             | 22.5                                                                                    | 174.1                                                                               | 9,100                                                                               | 230                                                                                 |
| 235                                                                               | 12.3                                                                                  | 136.0                                                                             | 6,500                                                                             | 15.3                                                                                  | 147.3                                                                             | 8,100                                                                             | 18.9                                                                                    | 160.6                                                                               | 8,500                                                                               | 235                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   | 9.3                                                                                   | 123.8                                                                             | 5,900                                                                             | 14.5                                                                                    | 143.6                                                                               | 7,900                                                                               | 240                                                                                 |
| 246                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.6                                                                                     | 108.6                                                                               | 5,500                                                                               | 246                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 251                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 251                                                                                 |
| 257                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 257                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 260                                                                                 |
| 264                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 264                                                                                 |

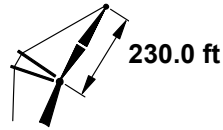
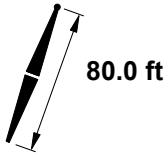


# MLC250 S-2

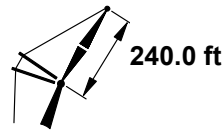
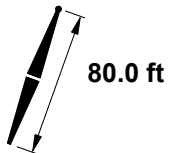
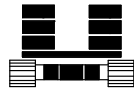
ASME B30.5

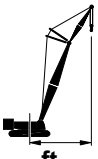
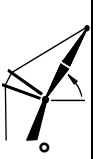
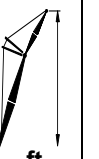
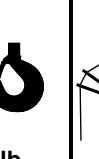


184,600 lb  
+  
44,000 lb



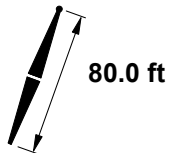
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  |      |       |        |      |       |        |      |       |        |      |       |        | 93  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 67.9 | 299.1 | 40,100 |      |       |        |      |       |        |      |       |        | 109 |
| 110 | 67.6 | 298.7 | 39,600 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 66.2 | 296.5 | 37,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 64.9 | 294.2 | 34,900 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 63.5 | 291.8 | 32,800 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 62.1 | 289.2 | 30,900 |      |       |        |      |       |        |      |       |        | 130 |
| 134 | 60.4 | 287.0 | 29,500 | 62.8 | 288.9 | 27,800 |      |       |        |      |       |        | 134 |
| 135 | 60.6 | 286.4 | 29,200 | 62.6 | 288.4 | 27,500 |      |       |        |      |       |        | 135 |
| 140 | 59.2 | 283.5 | 27,600 | 61.2 | 285.7 | 25,900 |      |       |        |      |       |        | 140 |
| 145 | 57.7 | 280.4 | 26,100 | 59.7 | 282.8 | 24,500 |      |       |        |      |       |        | 145 |
| 150 | 56.2 | 277.1 | 24,700 | 58.3 | 279.8 | 23,200 |      |       |        |      |       |        | 150 |
| 155 | 54.7 | 273.6 | 23,400 | 56.8 | 276.6 | 21,900 |      |       |        |      |       |        | 155 |
| 158 | 53.4 | 271.4 | 22,700 | 55.4 | 274.5 | 21,300 | 57.8 | 276.6 | 19,800 |      |       |        | 158 |
| 160 | 53.2 | 269.9 | 22,200 | 55.3 | 273.1 | 20,800 | 57.3 | 275.3 | 19,400 |      |       |        | 160 |
| 165 | 51.6 | 266.0 | 21,100 | 53.7 | 269.5 | 19,700 | 55.8 | 272.0 | 18,400 |      |       |        | 165 |
| 170 | 50.0 | 261.9 | 20,000 | 52.2 | 265.7 | 18,700 | 54.2 | 268.4 | 17,400 |      |       |        | 170 |
| 175 | 48.3 | 257.5 | 19,000 | 50.6 | 261.7 | 17,800 | 52.7 | 264.7 | 16,500 |      |       |        | 175 |
| 180 | 46.6 | 252.9 | 18,100 | 48.9 | 257.4 | 16,900 | 51.1 | 260.7 | 15,600 |      |       |        | 180 |
| 181 | 45.6 | 251.9 | 17,900 | 47.8 | 256.5 | 16,700 | 50.6 | 259.9 | 15,500 | 52.8 | 262.1 | 14,300 | 181 |
| 185 | 44.9 | 248.0 | 17,200 | 47.2 | 252.9 | 16,000 | 49.4 | 256.5 | 14,800 | 51.5 | 259.0 | 13,600 | 185 |
| 190 | 43.1 | 242.7 | 16,200 | 45.5 | 248.0 | 15,200 | 47.8 | 252.0 | 14,000 | 49.9 | 254.8 | 12,900 | 190 |
| 200 | 39.3 | 231.1 | 14,300 | 41.9 | 237.4 | 13,700 | 44.3 | 242.3 | 12,600 | 46.5 | 245.8 | 11,600 | 200 |
| 210 | 35.1 | 217.8 | 12,600 | 38.0 | 225.4 | 12,400 | 40.6 | 231.2 | 11,300 | 43.0 | 235.6 | 10,300 | 210 |
| 220 | 30.5 | 202.1 | 11,000 | 33.7 | 211.3 | 11,200 | 36.6 | 218.5 | 10,200 | 39.2 | 224.0 | 9,200  | 220 |
| 230 | 25.1 | 182.8 | 9,700  | 28.8 | 194.6 | 10,100 | 32.1 | 203.7 | 9,100  | 35.0 | 210.6 | 8,100  | 230 |
| 235 | 21.9 | 171.1 | 9,000  | 26.1 | 184.9 | 9,500  | 29.7 | 195.3 | 8,600  | 32.7 | 203.1 | 7,600  | 235 |
| 240 | 18.2 | 157.2 | 8,400  | 23.1 | 173.8 | 9,000  | 27.0 | 185.8 | 8,100  | 30.3 | 194.8 | 7,100  | 240 |
| 246 | 10.2 | 128.4 | 7,200  | 18.2 | 156.3 | 8,400  | 22.8 | 172.1 | 7,600  | 26.4 | 183.2 | 6,500  | 246 |
| 250 | 6.0  | 109.2 | 6,400  | 15.4 | 144.6 | 8,000  | 20.8 | 162.9 | 7,200  | 24.9 | 175.4 | 6,100  | 250 |
| 251 | 2.1  | 93.7  | 5,200  | 13.6 | 138.9 | 7,800  | 19.1 | 159.4 | 7,100  | 23.3 | 172.8 | 6,000  | 251 |
| 257 |      |       |        | 5.3  | 105.0 | 7,100  | 13.7 | 138.3 | 6,500  | 19.1 | 157.3 | 5,400  | 257 |
| 260 |      |       |        |      |       |        | 11.7 | 127.8 | 6,200  | 18.0 | 149.6 | 5,100  | 260 |
| 264 |      |       |        |      |       |        | 4.0  | 97.4  | 5,800  |      |       |        | 264 |

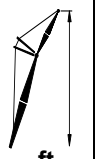
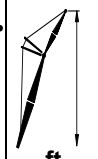
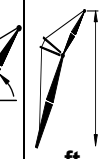
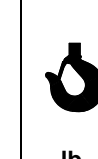


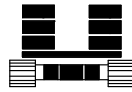
|                                                                                   | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |
| ft                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  | ft                                                                                  |
| 70                                                                                | 75.8                                                                              | 320.5                                                                             | 34,800                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 74.6                                                                              | 319.1                                                                             | 34,300                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.4                                                                              | 317.6                                                                             | 33,900                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 80                                                                                  |
| 81                                                                                | 72.8                                                                              | 317.3                                                                             | 33,800                                                                            | 73.8                                                                              | 318.0                                                                             | 38,900                                                                            |                                                                                    |                                                                                     |                                                                                     | 81                                                                                  |
| 85                                                                                | 72.1                                                                              | 316.1                                                                             | 33,500                                                                            | 72.8                                                                              | 316.7                                                                             | 38,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 70.9                                                                              | 314.4                                                                             | 33,000                                                                            | 71.6                                                                              | 315.1                                                                             | 38,000                                                                            |                                                                                    |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.6                                                                              | 312.5                                                                             | 32,600                                                                            | 70.3                                                                              | 313.3                                                                             | 37,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 95                                                                                  |
| 97                                                                                | 68.6                                                                              | 311.7                                                                             | 32,500                                                                            | 69.6                                                                              | 312.6                                                                             | 37,400                                                                            | 70.8                                                                               | 313.6                                                                               | 36,800                                                                              | 97                                                                                  |
| 100                                                                               | 68.3                                                                              | 310.6                                                                             | 32,200                                                                            | 69.0                                                                              | 311.4                                                                             | 37,100                                                                            | 70.1                                                                               | 312.5                                                                               | 36,600                                                                              | 100                                                                                 |
| 105                                                                               | 67.0                                                                              | 308.5                                                                             | 31,800                                                                            | 67.7                                                                              | 309.4                                                                             | 36,700                                                                            | 68.8                                                                               | 310.6                                                                               | 36,300                                                                              | 105                                                                                 |
| 110                                                                               | 65.7                                                                              | 306.3                                                                             | 31,400                                                                            | 66.4                                                                              | 307.3                                                                             | 36,300                                                                            | 67.5                                                                               | 308.6                                                                               | 35,900                                                                              | 110                                                                                 |
| 113                                                                               | 64.4                                                                              | 304.8                                                                             | 31,200                                                                            | 65.4                                                                              | 305.9                                                                             | 36,000                                                                            | 66.4                                                                               | 307.3                                                                               | 35,700                                                                              | 113                                                                                 |
| 115                                                                               | 64.4                                                                              | 303.9                                                                             | 31,000                                                                            | 65.1                                                                              | 305.0                                                                             | 35,900                                                                            | 66.2                                                                               | 306.4                                                                               | 35,500                                                                              | 115                                                                                 |
| 120                                                                               | 63.0                                                                              | 301.4                                                                             | 30,700                                                                            | 63.8                                                                              | 302.6                                                                             | 35,500                                                                            | 64.9                                                                               | 304.1                                                                               | 35,200                                                                              | 120                                                                                 |
| 125                                                                               | 61.7                                                                              | 298.7                                                                             | 30,300                                                                            | 62.4                                                                              | 300.0                                                                             | 33,100                                                                            | 63.6                                                                               | 301.6                                                                               | 33,500                                                                              | 125                                                                                 |
| 130                                                                               | 60.3                                                                              | 295.9                                                                             | 29,700                                                                            | 61.1                                                                              | 297.3                                                                             | 30,900                                                                            | 62.2                                                                               | 299.0                                                                               | 31,600                                                                              | 130                                                                                 |
| 135                                                                               | 58.9                                                                              | 293.0                                                                             | 27,700                                                                            | 59.7                                                                              | 294.4                                                                             | 28,800                                                                            | 60.9                                                                               | 296.3                                                                               | 29,800                                                                              | 135                                                                                 |
| 138                                                                               | 57.4                                                                              | 291.1                                                                             | 26,700                                                                            | 58.4                                                                              | 292.6                                                                             | 27,700                                                                            | 59.4                                                                               | 294.6                                                                               | 28,800                                                                              | 138                                                                                 |
| 140                                                                               | 57.5                                                                              | 289.8                                                                             | 25,900                                                                            | 58.3                                                                              | 291.4                                                                             | 26,900                                                                            | 59.5                                                                               | 293.4                                                                               | 28,200                                                                              | 140                                                                                 |
| 145                                                                               | 56.1                                                                              | 286.5                                                                             | 24,300                                                                            | 56.9                                                                              | 288.2                                                                             | 25,200                                                                            | 58.1                                                                               | 290.3                                                                               | 26,600                                                                              | 145                                                                                 |
| 150                                                                               | 54.6                                                                              | 283.0                                                                             | 22,700                                                                            | 55.5                                                                              | 284.8                                                                             | 23,600                                                                            | 56.7                                                                               | 287.1                                                                               | 24,900                                                                              | 150                                                                                 |
| 155                                                                               | 53.2                                                                              | 279.3                                                                             | 21,300                                                                            | 54.0                                                                              | 281.2                                                                             | 22,100                                                                            | 55.2                                                                               | 283.7                                                                               | 23,300                                                                              | 155                                                                                 |
| 160                                                                               | 51.6                                                                              | 275.4                                                                             | 20,000                                                                            | 52.5                                                                              | 277.4                                                                             | 20,700                                                                            | 53.7                                                                               | 280.1                                                                               | 21,900                                                                              | 160                                                                                 |
| 163                                                                               | 50.4                                                                              | 273.0                                                                             | 19,200                                                                            | 50.8                                                                              | 275.0                                                                             | 19,900                                                                            | 52.4                                                                               | 277.8                                                                               | 21,100                                                                              | 163                                                                                 |
| 165                                                                               | 50.1                                                                              | 271.3                                                                             | 18,700                                                                            | 51.0                                                                              | 273.4                                                                             | 19,400                                                                            | 52.2                                                                               | 276.2                                                                               | 20,500                                                                              | 165                                                                                 |
| 170                                                                               | 48.5                                                                              | 267.0                                                                             | 17,600                                                                            | 49.4                                                                              | 269.2                                                                             | 18,200                                                                            | 50.7                                                                               | 272.2                                                                               | 19,200                                                                              | 170                                                                                 |
| 175                                                                               | 46.9                                                                              | 262.4                                                                             | 16,500                                                                            | 47.8                                                                              | 264.8                                                                             | 17,100                                                                            | 49.1                                                                               | 268.0                                                                               | 18,000                                                                              | 175                                                                                 |
| 180                                                                               | 45.2                                                                              | 257.5                                                                             | 15,500                                                                            | 46.2                                                                              | 260.0                                                                             | 16,000                                                                            | 47.5                                                                               | 263.5                                                                               | 16,900                                                                              | 180                                                                                 |
| 185                                                                               | 43.5                                                                              | 252.3                                                                             | 14,500                                                                            | 44.5                                                                              | 255.0                                                                             | 15,000                                                                            | 45.9                                                                               | 258.7                                                                               | 15,900                                                                              | 185                                                                                 |
| 187                                                                               | 42.2                                                                              | 250.1                                                                             | 14,100                                                                            | 43.2                                                                              | 252.9                                                                             | 14,700                                                                            | 44.6                                                                               | 256.7                                                                               | 15,500                                                                              | 187                                                                                 |
| 190                                                                               | 41.7                                                                              | 246.9                                                                             | 13,600                                                                            | 42.7                                                                              | 249.7                                                                             | 14,100                                                                            | 44.2                                                                               | 253.6                                                                               | 14,900                                                                              | 190                                                                                 |
| 195                                                                               | 39.9                                                                              | 241.0                                                                             | 12,700                                                                            | 40.9                                                                              | 244.1                                                                             | 13,200                                                                            | 42.4                                                                               | 248.3                                                                               | 13,900                                                                              | 195                                                                                 |
| 200                                                                               | 38.0                                                                              | 234.7                                                                             | 11,900                                                                            | 39.1                                                                              | 238.1                                                                             | 12,400                                                                            | 40.6                                                                               | 242.6                                                                               | 13,000                                                                              | 200                                                                                 |
| 205                                                                               | 36.0                                                                              | 228.0                                                                             | 11,100                                                                            | 37.1                                                                              | 231.6                                                                             | 11,600                                                                            | 38.7                                                                               | 236.5                                                                               | 12,200                                                                              | 205                                                                                 |
| 210                                                                               | 33.9                                                                              | 220.8                                                                             | 10,400                                                                            | 35.1                                                                              | 224.7                                                                             | 10,800                                                                            | 36.8                                                                               | 230.0                                                                               | 11,400                                                                              | 210                                                                                 |
| 220                                                                               | 29.3                                                                              | 204.3                                                                             | 9,000                                                                             | 30.6                                                                              | 209.0                                                                             | 9,400                                                                             | 32.5                                                                               | 215.3                                                                               | 10,000                                                                              | 220                                                                                 |
| 230                                                                               | 23.9                                                                              | 184.1                                                                             | 7,800                                                                             | 25.5                                                                              | 190.0                                                                             | 8,100                                                                             | 27.7                                                                               | 197.9                                                                               | 8,600                                                                               | 230                                                                                 |
| 240                                                                               | 16.9                                                                              | 156.8                                                                             | 6,700                                                                             | 19.1                                                                              | 165.3                                                                             | 7,000                                                                             | 22.0                                                                               | 176.0                                                                               | 7,400                                                                               | 240                                                                                 |
| 245                                                                               |                                                                                   |                                                                                   |                                                                                   | 15.0                                                                              | 148.6                                                                             | 6,400                                                                             | 18.5                                                                               | 162.2                                                                               | 6,900                                                                               | 245                                                                                 |
| 250                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 14.2                                                                               | 144.8                                                                               | 6,300                                                                               | 250                                                                                 |
| 255                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 255                                                                                 |
| 260                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 260                                                                                 |
| 265                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 265                                                                                 |
| 267                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 267                                                                                 |



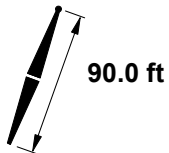
184,600 lb  
+  
44,000 lb



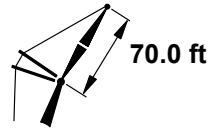
|     | 80°                                                                               |                                                                                   |                                                                                   | 75°                                                                               |                                                                                   |                                                                                   | 70°                                                                               |                                                                                    |                                                                                     | 65°                                                                                 |                                                                                     |                                                                                     |                                                                                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ft  | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 70  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 70                                                                                  |
| 75  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 75                                                                                  |
| 80  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 80                                                                                  |
| 81  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 81                                                                                  |
| 85  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 85                                                                                  |
| 90  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 90                                                                                  |
| 95  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 95                                                                                  |
| 97  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 97                                                                                  |
| 100 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 100                                                                                 |
| 105 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 105                                                                                 |
| 110 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 110                                                                                 |
| 113 | 67.8                                                                              | 308.3                                                                             | 37,700                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 113                                                                                 |
| 115 | 67.3                                                                              | 307.5                                                                             | 36,700                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 115                                                                                 |
| 120 | 66.0                                                                              | 305.3                                                                             | 34,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 120                                                                                 |
| 125 | 64.7                                                                              | 302.9                                                                             | 32,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 125                                                                                 |
| 130 | 63.3                                                                              | 300.5                                                                             | 30,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 130                                                                                 |
| 135 | 62.0                                                                              | 297.8                                                                             | 28,800                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 135                                                                                 |
| 138 | 60.4                                                                              | 296.2                                                                             | 27,800                                                                            | 63.0                                                                              | 298.1                                                                             | 26,100                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 138                                                                                 |
| 140 | 60.6                                                                              | 295.1                                                                             | 27,200                                                                            | 62.5                                                                              | 297.1                                                                             | 25,500                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 140                                                                                 |
| 145 | 59.2                                                                              | 292.1                                                                             | 25,700                                                                            | 61.1                                                                              | 294.4                                                                             | 24,000                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 145                                                                                 |
| 150 | 57.8                                                                              | 289.0                                                                             | 24,300                                                                            | 59.7                                                                              | 291.5                                                                             | 22,700                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 150                                                                                 |
| 155 | 56.4                                                                              | 285.8                                                                             | 23,000                                                                            | 58.3                                                                              | 288.5                                                                             | 21,500                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 155                                                                                 |
| 160 | 55.0                                                                              | 282.3                                                                             | 21,800                                                                            | 56.9                                                                              | 285.2                                                                             | 20,300                                                                            |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 160                                                                                 |
| 163 | 53.4                                                                              | 280.1                                                                             | 21,100                                                                            | 55.4                                                                              | 283.2                                                                             | 19,700                                                                            | 57.9                                                                              | 285.3                                                                              | 18,300                                                                              |                                                                                     |                                                                                     |                                                                                     | 163                                                                                 |
| 165 | 53.5                                                                              | 278.7                                                                             | 20,700                                                                            | 55.5                                                                              | 281.9                                                                             | 19,300                                                                            | 57.4                                                                              | 284.0                                                                              | 17,900                                                                              |                                                                                     |                                                                                     |                                                                                     | 165                                                                                 |
| 170 | 52.0                                                                              | 274.8                                                                             | 19,600                                                                            | 54.0                                                                              | 278.3                                                                             | 18,300                                                                            | 55.9                                                                              | 280.7                                                                              | 16,900                                                                              |                                                                                     |                                                                                     |                                                                                     | 170                                                                                 |
| 175 | 50.4                                                                              | 270.8                                                                             | 18,600                                                                            | 52.5                                                                              | 274.5                                                                             | 17,300                                                                            | 54.5                                                                              | 277.2                                                                              | 16,000                                                                              |                                                                                     |                                                                                     |                                                                                     | 175                                                                                 |
| 180 | 48.9                                                                              | 266.5                                                                             | 17,700                                                                            | 51.0                                                                              | 270.5                                                                             | 16,400                                                                            | 53.0                                                                              | 273.4                                                                              | 15,100                                                                              |                                                                                     |                                                                                     |                                                                                     | 180                                                                                 |
| 185 | 47.2                                                                              | 261.9                                                                             | 16,700                                                                            | 49.4                                                                              | 266.3                                                                             | 15,600                                                                            | 51.5                                                                              | 269.5                                                                              | 14,300                                                                              |                                                                                     |                                                                                     |                                                                                     | 185                                                                                 |
| 187 | 46.2                                                                              | 260.0                                                                             | 16,300                                                                            | 48.2                                                                              | 264.5                                                                             | 15,200                                                                            | 50.2                                                                              | 267.9                                                                              | 14,000                                                                              | 52.8                                                                                | 270.1                                                                               | 12,900                                                                              | 187                                                                                 |
| 190 | 45.6                                                                              | 257.1                                                                             | 15,700                                                                            | 47.8                                                                              | 261.8                                                                             | 14,800                                                                            | 49.9                                                                              | 265.4                                                                              | 13,600                                                                              | 51.9                                                                                | 267.8                                                                               | 12,400                                                                              | 190                                                                                 |
| 195 | 43.9                                                                              | 252.0                                                                             | 14,700                                                                            | 46.2                                                                              | 257.1                                                                             | 14,000                                                                            | 48.3                                                                              | 261.0                                                                              | 12,900                                                                              | 50.4                                                                                | 263.7                                                                               | 11,700                                                                              | 195                                                                                 |
| 200 | 42.1                                                                              | 246.6                                                                             | 13,800                                                                            | 44.5                                                                              | 252.1                                                                             | 13,300                                                                            | 46.7                                                                              | 256.4                                                                              | 12,200                                                                              | 48.8                                                                                | 259.4                                                                               | 11,100                                                                              | 200                                                                                 |
| 205 | 40.3                                                                              | 240.8                                                                             | 12,900                                                                            | 42.8                                                                              | 246.8                                                                             | 12,600                                                                            | 45.0                                                                              | 251.5                                                                              | 11,500                                                                              | 47.2                                                                                | 254.8                                                                               | 10,400                                                                              | 205                                                                                 |
| 210 | 38.4                                                                              | 234.6                                                                             | 12,100                                                                            | 41.0                                                                              | 241.2                                                                             | 12,000                                                                            | 43.3                                                                              | 246.3                                                                              | 10,900                                                                              | 45.5                                                                                | 250.0                                                                               | 9,900                                                                               | 210                                                                                 |
| 220 | 34.3                                                                              | 220.9                                                                             | 10,500                                                                            | 37.1                                                                              | 228.7                                                                             | 10,800                                                                            | 39.7                                                                              | 234.9                                                                              | 9,700                                                                               | 42.0                                                                                | 239.4                                                                               | 8,600                                                                               | 220                                                                                 |
| 230 | 29.8                                                                              | 204.8                                                                             | 9,100                                                                             | 32.9                                                                              | 214.3                                                                             | 9,600                                                                             | 35.8                                                                              | 221.8                                                                              | 8,700                                                                               | 38.3                                                                                | 227.5                                                                               | 7,500                                                                               | 230                                                                                 |
| 240 | 24.5                                                                              | 185.0                                                                             | 7,900                                                                             | 28.2                                                                              | 197.2                                                                             | 8,600                                                                             | 31.4                                                                              | 206.5                                                                              | 7,600                                                                               | 34.2                                                                                | 213.7                                                                               | 6,400                                                                               | 240                                                                                 |
| 245 | 21.4                                                                              | 173.0                                                                             | 7,300                                                                             | 25.5                                                                              | 187.2                                                                             | 8,100                                                                             | 29.0                                                                              | 197.8                                                                              | 7,100                                                                               | 32.0                                                                                | 205.9                                                                               | 5,900                                                                               | 245                                                                                 |
| 250 | 17.8                                                                              | 158.8                                                                             | 6,700                                                                             | 22.6                                                                              | 175.8                                                                             | 7,500                                                                             | 26.4                                                                              | 188.2                                                                              | 6,600                                                                               | 29.7                                                                                | 197.5                                                                               | 5,400                                                                               | 250                                                                                 |
| 255 | 13.3                                                                              | 140.4                                                                             | 6,200                                                                             | 19.2                                                                              | 162.5                                                                             | 6,900                                                                             | 23.6                                                                              | 177.3                                                                              | 6,100                                                                               |                                                                                     |                                                                                     |                                                                                     | 255                                                                                 |
| 260 |                                                                                   |                                                                                   |                                                                                   | 15.0                                                                              | 145.9                                                                             | 6,300                                                                             | 20.3                                                                              | 164.7                                                                              | 5,600                                                                               |                                                                                     |                                                                                     |                                                                                     | 260                                                                                 |
| 265 |                                                                                   |                                                                                   |                                                                                   | 9.2                                                                               | 122.0                                                                             | 5,800                                                                             | 16.5                                                                              | 149.4                                                                              | 5,100                                                                               |                                                                                     |                                                                                     |                                                                                     | 265                                                                                 |
| 267 |                                                                                   |                                                                                   |                                                                                   | 5.2                                                                               | 105.4                                                                             | 5,600                                                                             |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     | 267                                                                                 |



184,600 lb  
+  
44,000 lb



90.0 ft

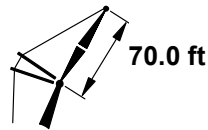
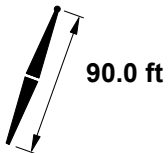


70.0 ft

|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 30  | 74.8 | 165.3 | 158,000 d |      |       |           |      |       |           | 30  |
| 32  | 73.1 | 164.6 | 158,000 d |      |       |           |      |       |           | 32  |
| 34  | 71.4 | 164.0 | 158,000 d |      |       |           |      |       |           | 34  |
| 35  | 70.0 | 163.6 | 158,000 d | 73.2 | 164.4 | 158,000 d |      |       |           | 35  |
| 36  | 69.6 | 163.2 | 158,000 d | 72.3 | 164.1 | 158,000 d |      |       |           | 36  |
| 38  | 67.8 | 162.4 | 158,000 c | 70.6 | 163.4 | 158,000 d |      |       |           | 38  |
| 40  | 66.0 | 161.5 | 154,600 b | 68.8 | 162.6 | 158,000 d |      |       |           | 40  |
| 43  | 63.0 | 159.9 | 146,400 b | 65.6 | 161.3 | 152,300 d | 70.3 | 162.7 | 154,300 d | 43  |
| 45  | 61.4 | 158.9 | 140,900 b | 64.3 | 160.3 | 148,500 b | 68.6 | 161.9 | 145,100 d | 45  |
| 50  | 56.6 | 155.8 | 129,300   | 59.7 | 157.6 | 129,100 b | 64.0 | 159.6 | 126,100 b | 50  |
| 51  | 55.0 | 155.0 | 126,600   | 58.0 | 156.9 | 126,000 b | 63.0 | 159.0 | 123,100 b | 51  |
| 55  | 51.5 | 152.0 | 115,600   | 54.7 | 154.2 | 113,900   | 59.4 | 156.8 | 111,300 b | 55  |
| 60  | 45.9 | 147.5 | 103,300   | 49.5 | 150.2 | 101,800   | 54.4 | 153.4 | 99,400    | 60  |
| 64  | 40.2 | 143.0 | 95,200    | 44.2 | 146.2 | 93,800    | 50.0 | 150.1 | 91,600    | 64  |
| 65  | 39.8 | 141.9 | 93,200    | 43.7 | 145.3 | 91,800    | 49.1 | 149.3 | 89,700    | 65  |
| 70  | 32.7 | 134.8 | 84,700    | 37.3 | 139.2 | 83,500    | 43.3 | 144.3 | 81,600    | 70  |
| 75  | 23.7 | 125.0 | 77,500    | 29.6 | 131.3 | 76,400    | 36.8 | 138.2 | 74,700    | 75  |
| 77  | 16.6 | 117.2 | 69,200    | 25.0 | 126.7 | 73,900    | 33.2 | 135.0 | 72,300    | 77  |
| 80  | 7.2  | 105.5 | 56,800    | 19.3 | 119.8 | 70,200    | 29.1 | 130.1 | 68,700    | 80  |
| 83  |      |       |           | 8.1  | 106.4 | 59,700    | 22.4 | 123.0 | 65,600    | 83  |
| 85  |      |       |           |      |       |           | 18.5 | 118.2 | 63,500    | 85  |
| 88  |      |       |           |      |       |           | 5.5  | 102.7 | 59,600    | 88  |
| 89  |      |       |           |      |       |           |      |       |           | 89  |
| 90  |      |       |           |      |       |           |      |       |           | 90  |
| 92  |      |       |           |      |       |           |      |       |           | 92  |
| 95  |      |       |           |      |       |           |      |       |           | 95  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 107 |      |       |           |      |       |           |      |       |           | 107 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |



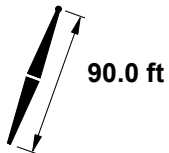
184,600 lb  
+  
44,000 lb



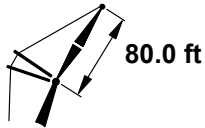
|     | 80°  |       |           | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb        | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 30  |      |       |           |      |       |          |      |       |        |      |       |        | 30  |
| 32  |      |       |           |      |       |          |      |       |        |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |        |      |       |        | 34  |
| 35  |      |       |           |      |       |          |      |       |        |      |       |        | 35  |
| 36  |      |       |           |      |       |          |      |       |        |      |       |        | 36  |
| 38  |      |       |           |      |       |          |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |        |      |       |        | 40  |
| 43  |      |       |           |      |       |          |      |       |        |      |       |        | 43  |
| 45  |      |       |           |      |       |          |      |       |        |      |       |        | 45  |
| 50  |      |       |           |      |       |          |      |       |        |      |       |        | 50  |
| 51  | 67.3 | 160.5 | 120,000 c |      |       |          |      |       |        |      |       |        | 51  |
| 55  | 63.7 | 158.6 | 108,700 b |      |       |          |      |       |        |      |       |        | 55  |
| 60  | 59.0 | 155.8 | 97,100 b  |      |       |          |      |       |        |      |       |        | 60  |
| 64  | 55.0 | 153.0 | 89,500 b  | 62.4 | 156.0 | 85,800 b |      |       |        |      |       |        | 64  |
| 65  | 54.0 | 152.3 | 87,600    | 61.5 | 155.4 | 84,100 b |      |       |        |      |       |        | 65  |
| 70  | 48.7 | 148.2 | 79,700    | 56.7 | 152.3 | 76,500   |      |       |        |      |       |        | 70  |
| 75  | 42.9 | 143.1 | 72,900    | 51.6 | 148.6 | 70,000   |      |       |        |      |       |        | 75  |
| 77  | 39.6 | 140.6 | 70,600    | 49.0 | 146.7 | 67,800   | 57.1 | 150.1 | 64,900 |      |       |        | 77  |
| 80  | 36.3 | 136.9 | 67,100    | 46.0 | 144.0 | 64,400   | 54.1 | 147.9 | 61,800 |      |       |        | 80  |
| 83  | 31.2 | 131.9 | 64,100    | 41.8 | 140.7 | 61,500   | 50.4 | 145.4 | 59,000 |      |       |        | 83  |
| 85  | 28.5 | 128.7 | 62,100    | 39.9 | 138.4 | 59,600   | 48.8 | 143.8 | 57,100 |      |       |        | 85  |
| 88  | 21.4 | 121.2 | 59,400    | 34.8 | 134.2 | 57,100   | 44.4 | 140.8 | 54,700 |      |       |        | 88  |
| 89  | 19.2 | 118.7 | 58,500    | 33.4 | 132.8 | 56,200   | 43.2 | 139.8 | 53,900 | 52.2 | 143.3 | 51,600 | 89  |
| 90  | 17.5 | 116.2 | 57,600    | 32.8 | 131.4 | 55,300   | 43.0 | 138.8 | 53,100 | 51.1 | 142.5 | 50,800 | 90  |
| 92  | 10.0 | 107.3 | 55,800    | 28.4 | 127.5 | 53,800   | 39.6 | 136.2 | 51,600 | 48.6 | 140.7 | 49,400 | 92  |
| 95  |      |       |           | 23.9 | 121.7 | 51,500   | 36.4 | 132.5 | 49,500 | 45.6 | 137.9 | 47,400 | 95  |
| 100 |      |       |           | 7.8  | 102.7 | 48,000   | 28.6 | 124.3 | 46,200 | 39.4 | 132.2 | 44,300 | 100 |
| 105 |      |       |           |      |       |          | 17.6 | 112.0 | 43,200 | 32.2 | 125.0 | 41,500 | 105 |
| 107 |      |       |           |      |       |          | 10.3 | 103.2 | 42,100 | 28.4 | 121.0 | 40,400 | 107 |
| 110 |      |       |           |      |       |          |      |       |        | 23.0 | 115.0 | 38,900 | 110 |
| 115 |      |       |           |      |       |          |      |       |        | 3.9  | 92.3  | 36,400 | 115 |



184,600 lb  
+  
44,000 lb



90.0 ft

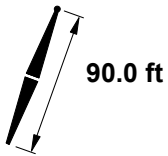


80.0 ft

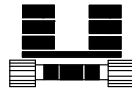
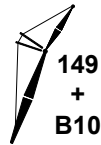
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 31  | 76.0 | 175.4 | 158,000 d |      |       |           |      |       |           | 31  |
| 32  | 75.3 | 175.1 | 158,000 d |      |       |           |      |       |           | 32  |
| 34  | 73.8 | 174.5 | 158,000 d |      |       |           |      |       |           | 34  |
| 36  | 72.3 | 173.9 | 158,000 d |      |       |           |      |       |           | 36  |
| 37  | 71.0 | 173.5 | 156,900 d | 73.9 | 174.3 | 158,000 d |      |       |           | 37  |
| 38  | 70.7 | 173.1 | 155,900 c | 73.1 | 174.0 | 158,000 d |      |       |           | 38  |
| 40  | 69.2 | 172.4 | 150,100 b | 71.6 | 173.3 | 158,000 d |      |       |           | 40  |
| 45  | 65.3 | 170.2 | 137,200 b | 67.8 | 171.4 | 145,300 b |      |       |           | 45  |
| 46  | 64.2 | 169.7 | 135,000 b | 66.2 | 170.9 | 142,000 b | 70.6 | 172.3 | 140,500 c | 46  |
| 50  | 61.3 | 167.6 | 126,200   | 63.8 | 169.0 | 128,700 b | 67.5 | 170.7 | 125,700 b | 50  |
| 54  | 57.8 | 165.1 | 117,600   | 59.8 | 166.8 | 116,600 b | 63.8 | 168.8 | 113,900 b | 54  |
| 55  | 57.0 | 164.5 | 115,400   | 59.7 | 166.2 | 113,600   | 63.5 | 168.3 | 110,900 b | 55  |
| 60  | 52.6 | 160.8 | 103,100   | 55.4 | 162.9 | 101,500   | 59.4 | 165.5 | 99,100    | 60  |
| 65  | 47.9 | 156.5 | 93,000    | 50.9 | 159.1 | 91,500    | 55.1 | 162.1 | 89,400    | 65  |
| 68  | 44.0 | 153.5 | 87,900    | 47.6 | 156.3 | 86,600    | 52.0 | 159.8 | 84,500    | 68  |
| 70  | 42.8 | 151.4 | 84,600    | 46.0 | 154.5 | 83,200    | 50.6 | 158.2 | 81,300    | 70  |
| 75  | 37.1 | 145.2 | 77,400    | 40.7 | 149.0 | 76,200    | 45.7 | 153.6 | 74,400    | 75  |
| 80  | 30.5 | 137.5 | 71,300    | 34.7 | 142.3 | 70,200    | 40.4 | 148.1 | 68,500    | 80  |
| 82  | 26.8 | 133.3 | 69,100    | 31.2 | 138.9 | 68,000    | 37.6 | 145.3 | 66,400    | 82  |
| 85  | 22.1 | 126.9 | 65,900    | 27.6 | 133.8 | 64,900    | 34.3 | 141.3 | 63,300    | 85  |
| 90  | 6.7  | 106.0 | 48,900    | 18.0 | 121.3 | 60,200    | 27.1 | 132.5 | 58,800    | 90  |
| 93  |      |       |           | 7.5  | 107.0 | 51,400    | 21.0 | 124.8 | 56,400    | 93  |
| 95  |      |       |           |      |       |           | 17.2 | 119.7 | 54,800    | 95  |
| 98  |      |       |           |      |       |           | 5.1  | 103.1 | 51,400    | 98  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 102 |      |       |           |      |       |           |      |       |           | 102 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 117 |      |       |           |      |       |           |      |       |           | 117 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |



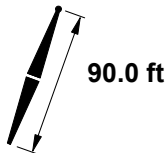
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft       | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 31  |      |       |           |      |       |          |      |       |        |      |       |        | 31  |
| 32  |      |       |           |      |       |          |      |       |        |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |          |      |       |        |      |       |        | 36  |
| 37  |      |       |           |      |       |          |      |       |        |      |       |        | 37  |
| 38  |      |       |           |      |       |          |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |          |      |       |        |      |       |        | 45  |
| 46  |      |       |           |      |       |          |      |       |        |      |       |        | 46  |
| 50  |      |       |           |      |       |          |      |       |        |      |       |        | 50  |
| 54  | 68.0 | 170.1 | 110,800 b |      |       |          |      |       |        |      |       |        | 54  |
| 55  | 67.2 | 169.7 | 108,200 b |      |       |          |      |       |        |      |       |        | 55  |
| 60  | 63.3 | 167.3 | 96,600 b  |      |       |          |      |       |        |      |       |        | 60  |
| 65  | 59.1 | 164.4 | 87,200    |      |       |          |      |       |        |      |       |        | 65  |
| 68  | 56.0 | 162.4 | 82,400    | 63.0 | 165.2 | 78,800 b |      |       |        |      |       |        | 68  |
| 70  | 54.8 | 161.1 | 79,300    | 61.3 | 164.1 | 76,000   |      |       |        |      |       |        | 70  |
| 75  | 50.2 | 157.1 | 72,600    | 57.1 | 161.0 | 69,500   |      |       |        |      |       |        | 75  |
| 80  | 45.3 | 152.4 | 66,800    | 52.7 | 157.4 | 64,000   |      |       |        |      |       |        | 80  |
| 82  | 42.6 | 150.2 | 64,800    | 50.0 | 155.7 | 62,100   | 57.5 | 158.7 | 59,300 |      |       |        | 82  |
| 85  | 40.0 | 146.8 | 61,800    | 48.0 | 153.1 | 59,200   | 54.9 | 156.7 | 56,600 |      |       |        | 85  |
| 90  | 33.9 | 139.9 | 57,400    | 42.9 | 148.0 | 55,000   | 50.3 | 152.7 | 52,600 |      |       |        | 90  |
| 93  | 28.8 | 134.6 | 55,000    | 39.0 | 144.3 | 52,700   | 47.0 | 149.9 | 50,400 |      |       |        | 93  |
| 95  | 26.5 | 131.0 | 53,500    | 37.2 | 141.8 | 51,200   | 45.4 | 148.0 | 49,000 | 52.3 | 151.3 | 46,800 | 95  |
| 98  | 20.0 | 123.0 | 51,300    | 32.8 | 137.2 | 49,200   | 42.0 | 144.7 | 47,100 | 49.0 | 148.7 | 45,000 | 98  |
| 100 | 16.3 | 117.6 | 49,900    | 30.6 | 134.1 | 47,900   | 40.0 | 142.4 | 45,800 | 47.6 | 147.0 | 43,800 | 100 |
| 102 | 9.3  | 108.1 | 48,500    | 26.8 | 129.9 | 46,700   | 37.2 | 139.7 | 44,700 | 45.0 | 144.9 | 42,700 | 102 |
| 105 |      |       |           | 22.3 | 123.6 | 44,900   | 33.9 | 135.6 | 42,900 | 42.4 | 141.8 | 41,000 | 105 |
| 110 |      |       |           | 7.2  | 103.3 | 42,000   | 26.6 | 126.7 | 40,300 | 36.7 | 135.6 | 38,500 | 110 |
| 115 |      |       |           |      |       |          | 16.4 | 113.4 | 37,900 | 30.0 | 127.7 | 36,300 | 115 |
| 117 |      |       |           |      |       |          | 9.6  | 104.0 | 36,900 | 26.4 | 123.4 | 35,400 | 117 |
| 120 |      |       |           |      |       |          |      |       |        | 21.5 | 116.9 | 34,200 | 120 |
| 125 |      |       |           |      |       |          |      |       |        | 3.6  | 92.5  | 32,100 | 125 |



184,600 lb  
+  
44,000 lb

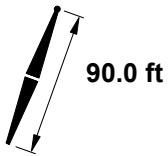


|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 75.6 | 184.9 | 158,000 d |      |       |           |      |       |           | 34  |
| 36  | 74.3 | 184.3 | 157,000 d |      |       |           |      |       |           | 36  |
| 38  | 73.0 | 183.7 | 151,400 c |      |       |           |      |       |           | 38  |
| 40  | 71.6 | 183.1 | 146,000 b | 73.7 | 183.8 | 154,700 d |      |       |           | 40  |
| 45  | 68.2 | 181.1 | 133,900 b | 70.4 | 182.1 | 141,600 b |      |       |           | 45  |
| 49  | 64.8 | 179.3 | 125,500 b | 66.8 | 180.5 | 131,100 b | 70.8 | 181.8 | 128,800 b | 49  |
| 50  | 64.7 | 178.9 | 123,400   | 66.9 | 180.1 | 128,500 b | 70.1 | 181.4 | 125,400 b | 50  |
| 55  | 61.1 | 176.2 | 114,200   | 63.4 | 177.7 | 113,400   | 66.7 | 179.4 | 110,600 b | 55  |
| 58  | 58.6 | 174.4 | 107,400   | 60.6 | 176.0 | 106,100   | 64.2 | 177.9 | 103,500 b | 58  |
| 60  | 57.4 | 173.2 | 102,900   | 59.7 | 174.9 | 101,300   | 63.2 | 177.0 | 98,800    | 60  |
| 65  | 53.5 | 169.6 | 92,800    | 55.9 | 171.6 | 91,300    | 59.5 | 174.1 | 89,100    | 65  |
| 70  | 49.4 | 165.5 | 84,400    | 52.0 | 167.9 | 83,100    | 55.7 | 170.9 | 81,000    | 70  |
| 73  | 46.0 | 162.6 | 80,200    | 48.6 | 165.3 | 78,900    | 52.6 | 168.6 | 76,900    | 73  |
| 75  | 45.0 | 160.7 | 77,300    | 47.7 | 163.6 | 76,100    | 51.7 | 167.1 | 74,200    | 75  |
| 80  | 40.2 | 155.1 | 71,200    | 43.2 | 158.5 | 70,000    | 47.5 | 162.7 | 68,300    | 80  |
| 85  | 34.8 | 148.4 | 65,900    | 38.3 | 152.5 | 64,800    | 42.9 | 157.6 | 63,200    | 85  |
| 87  | 31.6 | 145.1 | 64,000    | 35.6 | 149.6 | 62,900    | 40.0 | 155.2 | 61,400    | 87  |
| 90  | 28.6 | 140.1 | 61,200    | 32.7 | 145.3 | 60,200    | 37.9 | 151.5 | 58,700    | 90  |
| 95  | 20.8 | 128.8 | 57,000    | 26.0 | 136.1 | 56,100    | 32.3 | 144.2 | 54,700    | 95  |
| 100 | 6.2  | 106.5 | 42,600    | 16.9 | 122.8 | 52,400    | 25.5 | 134.8 | 51,200    | 100 |
| 101 |      |       |           | 13.0 | 117.7 | 49,800    | 23.2 | 132.1 | 50,500    | 101 |
| 103 |      |       |           | 7.1  | 107.6 | 44,700    | 19.6 | 126.6 | 49,200    | 103 |
| 105 |      |       |           |      |       |           | 16.2 | 121.1 | 47,900    | 105 |
| 108 |      |       |           |      |       |           | 4.7  | 103.4 | 44,900    | 108 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 112 |      |       |           |      |       |           |      |       |           | 112 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 127 |      |       |           |      |       |           |      |       |           | 127 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |

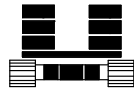




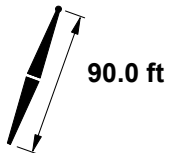
184,600 lb  
+  
44,000 lb



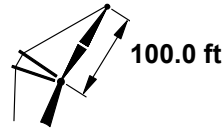
|     | 80°  |       |           | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 34  |      |       |           |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |           |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |        |      |       |        |      |       |        | 45  |
| 49  |      |       |           |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |           |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |           |      |       |        |      |       |        |      |       |        | 55  |
| 58  | 67.8 | 179.3 | 100,700 b |      |       |        |      |       |        |      |       |        | 58  |
| 60  | 66.4 | 178.4 | 96,300 b  |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 62.9 | 176.0 | 86,900    |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 59.2 | 173.1 | 79,000    |      |       |        |      |       |        |      |       |        | 70  |
| 73  | 56.6 | 171.1 | 75,000    | 62.6 | 173.9 | 71,600 |      |       |        |      |       |        | 73  |
| 75  | 55.4 | 169.8 | 72,300    | 61.2 | 172.8 | 69,200 |      |       |        |      |       |        | 75  |
| 80  | 51.4 | 166.0 | 66,600    | 57.4 | 169.7 | 63,700 |      |       |        |      |       |        | 80  |
| 85  | 47.2 | 161.5 | 61,600    | 53.5 | 166.1 | 58,900 |      |       |        |      |       |        | 85  |
| 87  | 45.0 | 159.5 | 59,800    | 51.4 | 164.5 | 57,200 | 57.8 | 167.4 | 54,600 |      |       |        | 87  |
| 90  | 42.6 | 156.4 | 57,200    | 49.4 | 162.0 | 54,700 | 55.5 | 165.4 | 52,300 |      |       |        | 90  |
| 95  | 37.5 | 150.2 | 53,300    | 45.0 | 157.3 | 51,000 | 51.5 | 161.6 | 48,700 |      |       |        | 95  |
| 100 | 31.8 | 142.8 | 49,900    | 40.2 | 151.7 | 47,700 | 47.2 | 157.1 | 45,500 |      |       |        | 100 |
| 101 | 29.8 | 140.9 | 49,200    | 38.8 | 150.4 | 47,100 | 46.0 | 156.1 | 45,000 | 52.4 | 159.3 | 42,900 | 101 |
| 103 | 26.8 | 137.0 | 48,000    | 36.4 | 147.7 | 45,900 | 44.0 | 154.0 | 43,800 | 50.5 | 157.6 | 41,800 | 103 |
| 105 | 24.9 | 133.2 | 46,700    | 34.9 | 145.0 | 44,700 | 42.6 | 152.0 | 42,700 | 49.1 | 156.0 | 40,700 | 105 |
| 108 | 18.6 | 124.6 | 45,000    | 30.4 | 140.0 | 43,100 | 39.0 | 148.3 | 41,200 | 46.0 | 153.1 | 39,200 | 108 |
| 110 | 15.3 | 118.9 | 43,900    | 28.7 | 136.7 | 42,000 | 37.6 | 145.9 | 40,100 | 44.7 | 151.1 | 38,200 | 110 |
| 112 | 8.7  | 108.8 | 42,800    | 24.8 | 132.2 | 41,000 | 34.6 | 142.9 | 39,200 | 42.0 | 148.9 | 37,400 | 112 |
| 115 |      |       |           | 20.9 | 125.5 | 39,600 | 31.9 | 138.4 | 37,800 | 39.9 | 145.5 | 36,000 | 115 |
| 120 |      |       |           | 6.7  | 103.8 | 37,200 | 25.0 | 128.9 | 35,600 | 34.5 | 138.7 | 34,000 | 120 |
| 125 |      |       |           |      |       |        | 15.4 | 114.7 | 33,600 | 28.2 | 130.2 | 32,100 | 125 |
| 127 |      |       |           |      |       |        | 9.0  | 104.7 | 32,800 | 24.8 | 125.6 | 31,400 | 127 |
| 130 |      |       |           |      |       |        |      |       |        | 20.2 | 118.6 | 30,300 | 130 |
| 135 |      |       |           |      |       |        |      |       |        | 3.3  | 92.7  | 28,500 | 135 |



184,600 lb  
+  
44,000 lb



90.0 ft

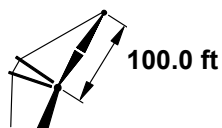
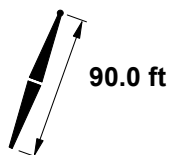


100.0 ft

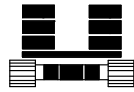
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 36  | 75.9 | 194.7 | 151,400 d |      |       |           |      |       |           | 36  |
| 38  | 74.7 | 194.2 | 146,200 c |      |       |           |      |       |           | 38  |
| 40  | 73.5 | 193.6 | 141,300 b |      |       |           |      |       |           | 40  |
| 43  | 71.2 | 192.6 | 134,600 b | 73.6 | 193.4 | 142,100 b |      |       |           | 43  |
| 45  | 70.5 | 191.9 | 130,100 b | 72.4 | 192.7 | 137,400 b |      |       |           | 45  |
| 50  | 67.4 | 189.9 | 120,200   | 69.4 | 190.9 | 126,700 b |      |       |           | 50  |
| 52  | 65.8 | 189.0 | 116,700   | 67.8 | 190.1 | 121,200 b | 71.0 | 191.4 | 118,600 b | 52  |
| 55  | 64.3 | 187.6 | 111,500   | 66.2 | 188.8 | 113,000   | 69.2 | 190.2 | 110,200 b | 55  |
| 60  | 61.0 | 184.9 | 102,600   | 63.1 | 186.4 | 100,900   | 66.0 | 188.1 | 98,400    | 60  |
| 62  | 59.4 | 183.7 | 98,600    | 61.4 | 185.2 | 96,900    | 64.4 | 187.1 | 94,500    | 62  |
| 65  | 57.6 | 181.8 | 92,500    | 59.8 | 183.6 | 91,000    | 62.8 | 185.6 | 88,700    | 65  |
| 70  | 54.2 | 178.4 | 84,100    | 56.4 | 180.3 | 82,700    | 59.6 | 182.8 | 80,600    | 70  |
| 75  | 50.5 | 174.4 | 77,000    | 52.8 | 176.7 | 75,700    | 56.1 | 179.6 | 73,800    | 75  |
| 77  | 48.4 | 172.6 | 74,500    | 50.8 | 175.0 | 73,300    | 54.4 | 178.1 | 71,400    | 77  |
| 80  | 46.6 | 169.9 | 70,900    | 49.1 | 172.5 | 69,700    | 52.6 | 175.9 | 67,900    | 80  |
| 85  | 42.5 | 164.6 | 65,600    | 45.1 | 167.8 | 64,500    | 48.8 | 171.7 | 62,800    | 85  |
| 90  | 38.0 | 158.6 | 60,900    | 40.9 | 162.3 | 59,900    | 44.9 | 166.9 | 58,300    | 90  |
| 92  | 35.0 | 155.7 | 59,300    | 38.4 | 159.7 | 58,300    | 42.4 | 164.6 | 56,800    | 92  |
| 95  | 33.0 | 151.4 | 56,800    | 36.2 | 155.8 | 55,800    | 40.6 | 161.3 | 54,400    | 95  |
| 100 | 27.1 | 142.5 | 53,100    | 30.9 | 148.0 | 52,200    | 35.9 | 154.8 | 50,900    | 100 |
| 105 | 19.7 | 130.5 | 49,800    | 24.6 | 138.2 | 49,000    | 30.5 | 146.9 | 47,700    | 105 |
| 107 | 13.4 | 121.1 | 44,700    | 20.8 | 132.6 | 47,800    | 27.6 | 142.9 | 46,600    | 107 |
| 110 | 5.9  | 107.0 | 37,100    | 16.0 | 124.2 | 46,000    | 24.1 | 136.9 | 44,800    | 110 |
| 113 |      |       |           | 6.7  | 108.1 | 39,000    | 18.6 | 128.2 | 43,200    | 113 |
| 115 |      |       |           |      |       |           | 15.3 | 122.4 | 42,200    | 115 |
| 118 |      |       |           |      |       |           | 4.5  | 103.7 | 39,300    | 118 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 122 |      |       |           |      |       |           |      |       |           | 122 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 137 |      |       |           |      |       |           |      |       |           | 137 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |



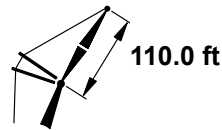
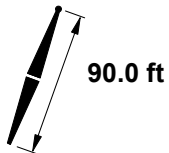
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 36  |      |       |        |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 43  |      |       |        |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  | 67.7 | 188.5 | 91,900 |      |       |        |      |       |        |      |       |        | 62  |
| 65  | 65.8 | 187.1 | 86,400 |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 62.6 | 184.6 | 78,500 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 59.3 | 181.8 | 71,800 |      |       |        |      |       |        |      |       |        | 75  |
| 77  | 57.4 | 180.5 | 69,600 | 63.0 | 183.1 | 66,400 |      |       |        |      |       |        | 77  |
| 80  | 55.9 | 178.5 | 66,100 | 61.1 | 181.4 | 63,200 |      |       |        |      |       |        | 80  |
| 85  | 52.3 | 174.8 | 61,200 | 57.7 | 178.4 | 58,400 |      |       |        |      |       |        | 85  |
| 90  | 48.6 | 170.5 | 56,800 | 54.2 | 174.9 | 54,200 |      |       |        |      |       |        | 90  |
| 92  | 46.4 | 168.6 | 55,300 | 52.4 | 173.3 | 52,800 | 58.0 | 176.1 | 50,200 |      |       |        | 92  |
| 95  | 44.6 | 165.7 | 52,900 | 50.6 | 170.9 | 50,500 | 55.9 | 174.1 | 48,200 |      |       |        | 95  |
| 100 | 40.3 | 160.1 | 49,500 | 46.7 | 166.4 | 47,200 | 52.4 | 170.4 | 45,000 |      |       |        | 100 |
| 105 | 35.5 | 153.5 | 46,400 | 42.6 | 161.2 | 44,300 | 48.6 | 166.1 | 42,200 |      |       |        | 105 |
| 107 | 33.0 | 150.3 | 45,300 | 40.4 | 158.8 | 43,200 | 46.4 | 164.2 | 41,200 | 52.5 | 167.3 | 39,100 | 107 |
| 110 | 30.1 | 145.5 | 43,600 | 38.1 | 155.2 | 41,600 | 44.6 | 161.3 | 39,600 | 50.3 | 164.9 | 37,700 | 110 |
| 113 | 25.8 | 139.4 | 42,100 | 35.0 | 150.8 | 40,200 | 41.6 | 157.9 | 38,300 | 47.6 | 162.1 | 36,400 | 113 |
| 115 | 23.6 | 135.3 | 41,100 | 33.0 | 148.0 | 39,200 | 40.3 | 155.7 | 37,300 | 46.4 | 160.3 | 35,500 | 115 |
| 118 | 17.6 | 126.2 | 39,700 | 29.4 | 142.6 | 37,900 | 37.0 | 151.7 | 36,100 | 43.6 | 157.1 | 34,300 | 118 |
| 120 | 14.5 | 120.1 | 38,700 | 27.2 | 139.1 | 37,000 | 35.6 | 149.1 | 35,200 | 42.2 | 155.0 | 33,500 | 120 |
| 122 | 8.2  | 109.5 | 37,800 | 23.8 | 134.3 | 36,200 | 33.0 | 145.9 | 34,400 | 40.0 | 152.6 | 32,700 | 122 |
| 125 |      |       |        | 19.8 | 127.2 | 34,900 | 30.2 | 141.1 | 33,300 | 37.7 | 148.9 | 31,600 | 125 |
| 130 |      |       |        | 6.3  | 104.3 | 32,900 | 23.7 | 131.0 | 31,500 | 32.6 | 141.6 | 29,900 | 130 |
| 135 |      |       |        |      |       |        | 14.6 | 115.9 | 29,800 | 26.7 | 132.6 | 28,300 | 135 |
| 137 |      |       |        |      |       |        | 8.5  | 105.4 | 29,100 | 23.2 | 127.6 | 27,700 | 137 |
| 140 |      |       |        |      |       |        |      |       |        | 19.1 | 120.3 | 26,800 | 140 |
| 145 |      |       |        |      |       |        |      |       |        | 3.1  | 92.9  | 25,300 | 145 |



184,600 lb  
+  
44,000 lb



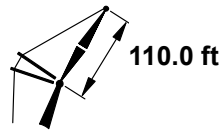
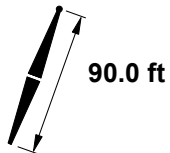
|     | 88°  |       |           | 86°  |       |           | 83°  |       |         |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|---------|-----|
|     |      |       |           |      |       |           |      |       |         |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft      |     |
| 39  | 75.6 | 204.3 | 137,400 b |      |       |           |      |       |         | 39  |
| 40  | 75.1 | 204.0 | 136,500 b |      |       |           |      |       |         | 40  |
| 45  | 72.3 | 202.5 | 126,300 b |      |       |           |      |       |         | 45  |
| 46  | 71.4 | 202.1 | 124,400 b | 73.5 | 202.9 | 131,100 b |      |       |         | 46  |
| 50  | 69.6 | 200.7 | 117,000   | 71.3 | 201.6 | 123,300   |      |       |         | 50  |
| 55  | 66.8 | 198.6 | 108,800   | 68.5 | 199.7 | 112,900   |      |       |         | 55  |
| 56  | 65.4 | 198.1 | 107,400   | 67.4 | 199.3 | 110,500   | 70.6 | 200.6 | 107,500 | 56  |
| 60  | 63.9 | 196.2 | 101,600   | 65.7 | 197.5 | 100,800   | 68.3 | 199.0 | 98,300  | 60  |
| 65  | 60.9 | 193.5 | 92,400    | 62.8 | 195.0 | 90,900    | 65.5 | 196.8 | 88,600  | 65  |
| 66  | 59.4 | 192.9 | 90,800    | 61.4 | 194.5 | 89,200    | 64.4 | 196.3 | 87,000  | 66  |
| 70  | 57.9 | 190.5 | 84,000    | 59.8 | 192.2 | 82,600    | 62.6 | 194.3 | 80,500  | 70  |
| 75  | 54.7 | 187.1 | 76,900    | 56.7 | 189.0 | 75,600    | 59.6 | 191.5 | 73,700  | 75  |
| 80  | 51.4 | 183.2 | 70,800    | 53.5 | 185.5 | 69,600    | 56.5 | 188.3 | 67,800  | 80  |
| 82  | 49.4 | 181.5 | 68,700    | 51.8 | 183.8 | 67,500    | 54.8 | 186.8 | 65,800  | 82  |
| 85  | 48.0 | 178.9 | 65,500    | 50.2 | 181.4 | 64,400    | 53.3 | 184.6 | 62,700  | 85  |
| 90  | 44.3 | 174.0 | 60,900    | 46.6 | 176.9 | 59,900    | 49.9 | 180.6 | 58,300  | 90  |
| 95  | 40.4 | 168.4 | 56,800    | 42.9 | 171.7 | 55,800    | 46.4 | 176.0 | 54,300  | 95  |
| 98  | 37.6 | 164.5 | 54,600    | 39.6 | 168.2 | 53,700    | 43.6 | 172.9 | 52,200  | 98  |
| 100 | 36.1 | 161.9 | 53,100    | 38.9 | 165.8 | 52,200    | 42.6 | 170.8 | 50,800  | 100 |
| 105 | 31.4 | 154.2 | 49,900    | 34.4 | 158.9 | 49,000    | 38.6 | 164.8 | 47,700  | 105 |
| 110 | 25.8 | 144.7 | 46,900    | 29.4 | 150.7 | 46,100    | 34.1 | 157.9 | 44,800  | 110 |
| 113 | 20.8 | 137.1 | 45,100    | 25.4 | 144.4 | 44,500    | 31.0 | 152.8 | 43,300  | 113 |
| 115 | 18.7 | 132.1 | 44,000    | 23.4 | 140.3 | 43,400    | 29.0 | 149.5 | 42,300  | 115 |
| 120 | 5.5  | 107.4 | 32,900    | 15.2 | 125.5 | 40,900    | 23.0 | 138.9 | 39,900  | 120 |
| 123 |      |       |           | 6.3  | 108.6 | 34,700    | 17.2 | 129.7 | 38,600  | 123 |
| 125 |      |       |           |      |       |           | 14.6 | 123.6 | 37,700  | 125 |
| 128 |      |       |           |      |       |           | 4.2  | 104.0 | 35,000  | 128 |
| 130 |      |       |           |      |       |           |      |       |         | 130 |
| 132 |      |       |           |      |       |           |      |       |         | 132 |
| 135 |      |       |           |      |       |           |      |       |         | 135 |
| 140 |      |       |           |      |       |           |      |       |         | 140 |
| 145 |      |       |           |      |       |           |      |       |         | 145 |
| 147 |      |       |           |      |       |           |      |       |         | 147 |
| 150 |      |       |           |      |       |           |      |       |         | 150 |
| 155 |      |       |           |      |       |           |      |       |         | 155 |

# MLC250 S-2

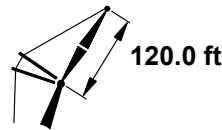
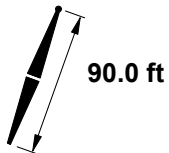
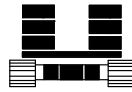
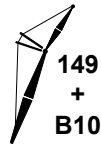
ASME B30.5



184,600 lb  
+  
44,000 lb



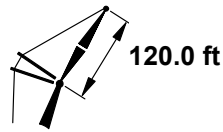
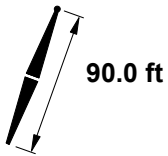
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 66  | 67.6 | 197.6 | 84,600 |      |       |        |      |       |        |      |       |        | 66  |
| 70  | 65.3 | 195.8 | 78,400 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 62.4 | 193.3 | 71,700 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 59.4 | 190.4 | 66,000 |      |       |        |      |       |        |      |       |        | 80  |
| 82  | 57.8 | 189.1 | 64,000 | 62.7 | 191.7 | 61,000 |      |       |        |      |       |        | 82  |
| 85  | 56.3 | 187.2 | 61,100 | 61.0 | 190.1 | 58,300 |      |       |        |      |       |        | 85  |
| 90  | 53.1 | 183.6 | 56,700 | 57.9 | 187.0 | 54,100 |      |       |        |      |       |        | 90  |
| 95  | 49.7 | 179.5 | 52,900 | 54.8 | 183.6 | 50,400 |      |       |        |      |       |        | 95  |
| 98  | 47.2 | 176.7 | 50,800 | 52.2 | 181.3 | 48,500 | 57.6 | 184.1 | 46,100 |      |       |        | 98  |
| 100 | 46.1 | 174.8 | 49,400 | 51.5 | 179.8 | 47,100 | 56.3 | 182.8 | 44,900 |      |       |        | 100 |
| 105 | 42.4 | 169.6 | 46,400 | 48.0 | 175.4 | 44,200 | 53.1 | 179.2 | 42,100 |      |       |        | 105 |
| 110 | 38.3 | 163.6 | 43,600 | 44.4 | 170.5 | 41,600 | 49.7 | 175.1 | 39,500 |      |       |        | 110 |
| 113 | 35.0 | 159.3 | 42,100 | 41.6 | 167.2 | 40,100 | 47.2 | 172.3 | 38,200 | 52.5 | 175.3 | 36,200 | 113 |
| 115 | 33.8 | 156.5 | 41,100 | 40.5 | 164.9 | 39,200 | 46.2 | 170.5 | 37,200 | 51.2 | 173.7 | 35,400 | 115 |
| 120 | 28.7 | 148.0 | 38,800 | 36.2 | 158.5 | 37,000 | 42.4 | 165.2 | 35,100 | 47.7 | 169.4 | 33,400 | 120 |
| 123 | 24.4 | 141.6 | 37,500 | 33.0 | 153.9 | 35,700 | 39.6 | 161.6 | 34,000 | 45.2 | 166.4 | 32,300 | 123 |
| 125 | 22.5 | 137.2 | 36,700 | 31.4 | 150.8 | 34,900 | 38.3 | 159.2 | 33,200 | 44.1 | 164.4 | 31,500 | 125 |
| 128 | 16.6 | 127.7 | 35,500 | 27.4 | 145.1 | 33,800 | 35.0 | 155.0 | 32,200 | 41.6 | 161.0 | 30,500 | 128 |
| 130 | 13.8 | 121.3 | 34,700 | 25.9 | 141.4 | 33,100 | 33.8 | 152.1 | 31,400 | 40.1 | 158.7 | 29,800 | 130 |
| 132 | 7.8  | 110.1 | 33,900 | 22.2 | 136.3 | 32,400 | 31.0 | 148.8 | 30,800 | 38.0 | 156.1 | 29,200 | 132 |
| 135 |      |       |        | 18.8 | 128.8 | 31,300 | 28.7 | 143.7 | 29,800 | 35.8 | 152.2 | 28,300 | 135 |
| 140 |      |       |        | 6.0  | 104.7 | 29,600 | 22.5 | 132.9 | 28,300 | 31.0 | 144.4 | 26,800 | 140 |
| 145 |      |       |        |      |       |        | 13.9 | 117.1 | 26,800 | 25.4 | 134.8 | 25,500 | 145 |
| 147 |      |       |        |      |       |        | 8.0  | 106.1 | 26,200 | 22.2 | 129.6 | 24,900 | 147 |
| 150 |      |       |        |      |       |        |      |       |        | 18.2 | 121.9 | 24,200 | 150 |
| 155 |      |       |        |      |       |        |      |       |        | 2.9  | 93.1  | 22,800 | 155 |



|     | 88°  |       |           | 86°  |       |           | 83°  |       |         |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|---------|-----|
|     |      |       |           |      |       |           |      |       |         |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft      |     |
| 41  | 75.8 | 214.1 | 121,900 b |      |       |           |      |       |         | 41  |
| 45  | 73.9 | 213.0 | 120,400 b |      |       |           |      |       |         | 45  |
| 48  | 71.8 | 212.0 | 116,300 b | 73.9 | 212.8 | 123,000 b |      |       |         | 48  |
| 50  | 71.3 | 211.3 | 113,600   | 72.9 | 212.1 | 119,500   |      |       |         | 50  |
| 55  | 68.8 | 209.5 | 105,900   | 70.4 | 210.4 | 111,400   |      |       |         | 55  |
| 59  | 66.4 | 207.7 | 100,400   | 67.6 | 208.8 | 102,600   | 70.7 | 210.1 | 100,000 | 59  |
| 60  | 66.2 | 207.3 | 99,000    | 67.8 | 208.5 | 100,400   | 70.2 | 209.7 | 97,800  | 60  |
| 65  | 63.6 | 204.9 | 92,100    | 65.2 | 206.2 | 90,500    | 67.7 | 207.7 | 88,100  | 65  |
| 69  | 60.6 | 202.7 | 85,400    | 62.6 | 204.2 | 83,900    | 65.4 | 205.9 | 81,700  | 69  |
| 70  | 60.8 | 202.2 | 83,700    | 62.5 | 203.7 | 82,200    | 65.1 | 205.5 | 80,100  | 70  |
| 75  | 58.0 | 199.2 | 76,600    | 59.8 | 200.9 | 75,300    | 62.4 | 203.0 | 73,300  | 75  |
| 80  | 55.2 | 195.8 | 70,500    | 57.0 | 197.7 | 69,300    | 59.6 | 200.1 | 67,400  | 80  |
| 85  | 52.2 | 192.0 | 65,200    | 54.1 | 194.2 | 64,000    | 56.8 | 196.9 | 62,300  | 85  |
| 87  | 50.8 | 190.4 | 63,300    | 52.8 | 192.6 | 62,200    | 54.8 | 195.5 | 60,500  | 87  |
| 90  | 49.1 | 187.9 | 60,600    | 51.0 | 190.3 | 59,500    | 53.9 | 193.4 | 57,900  | 90  |
| 95  | 45.8 | 183.2 | 56,500    | 47.9 | 185.9 | 55,500    | 50.8 | 189.5 | 53,900  | 95  |
| 100 | 42.3 | 177.9 | 52,800    | 44.5 | 181.0 | 51,900    | 47.7 | 185.1 | 50,400  | 100 |
| 103 | 39.6 | 174.3 | 50,900    | 41.6 | 177.7 | 49,900    | 45.2 | 182.1 | 48,600  | 103 |
| 105 | 38.6 | 171.9 | 49,600    | 41.0 | 175.5 | 48,700    | 44.3 | 180.1 | 47,300  | 105 |
| 110 | 34.5 | 165.0 | 46,600    | 37.1 | 169.2 | 45,800    | 40.7 | 174.5 | 44,500  | 110 |
| 115 | 30.0 | 156.9 | 43,900    | 32.9 | 161.9 | 43,100    | 36.9 | 168.2 | 41,900  | 115 |
| 119 | 25.0 | 148.9 | 42,000    | 28.8 | 154.9 | 41,200    | 32.8 | 162.3 | 40,000  | 119 |
| 120 | 24.6 | 146.9 | 41,500    | 28.1 | 153.2 | 40,700    | 32.6 | 160.8 | 39,600  | 120 |
| 125 | 17.9 | 133.6 | 38,500    | 22.4 | 142.2 | 38,500    | 27.8 | 152.0 | 37,400  | 125 |
| 130 | 5.3  | 107.8 | 28,900    | 14.6 | 126.7 | 36,400    | 21.9 | 140.9 | 35,400  | 130 |
| 133 |      |       |           | 6.0  | 109.1 | 30,500    | 16.2 | 131.2 | 34,300  | 133 |
| 135 |      |       |           |      |       |           | 13.9 | 124.8 | 33,600  | 135 |
| 138 |      |       |           |      |       |           | 4.0  | 104.3 | 30,800  | 138 |
| 140 |      |       |           |      |       |           |      |       |         | 140 |
| 142 |      |       |           |      |       |           |      |       |         | 142 |
| 145 |      |       |           |      |       |           |      |       |         | 145 |
| 150 |      |       |           |      |       |           |      |       |         | 150 |
| 155 |      |       |           |      |       |           |      |       |         | 155 |
| 157 |      |       |           |      |       |           |      |       |         | 157 |
| 160 |      |       |           |      |       |           |      |       |         | 160 |
| 165 |      |       |           |      |       |           |      |       |         | 165 |



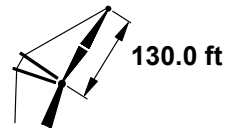
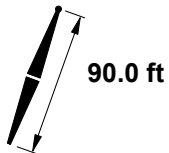
184,600 lb  
+  
44,000 lb

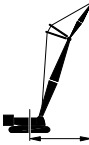
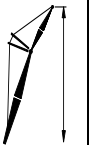
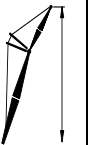
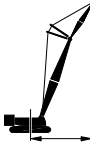


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  | 68.0 | 207.2 | 79,400 |      |       |        |      |       |        |      |       |        | 69  |
| 70  | 67.5 | 206.8 | 77,900 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 64.9 | 204.5 | 71,300 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 62.2 | 202.0 | 65,500 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 59.4 | 199.1 | 60,600 |      |       |        |      |       |        |      |       |        | 85  |
| 87  | 57.8 | 197.8 | 58,900 | 62.5 | 200.4 | 56,000 |      |       |        |      |       |        | 87  |
| 90  | 56.6 | 195.9 | 56,300 | 60.9 | 198.7 | 53,600 |      |       |        |      |       |        | 90  |
| 95  | 53.7 | 192.3 | 52,400 | 58.1 | 195.7 | 49,900 |      |       |        |      |       |        | 95  |
| 100 | 50.6 | 188.3 | 49,000 | 55.2 | 192.3 | 46,700 |      |       |        |      |       |        | 100 |
| 103 | 48.2 | 185.7 | 47,200 | 53.2 | 190.1 | 44,900 | 57.8 | 192.8 | 42,600 |      |       |        | 103 |
| 105 | 47.4 | 183.9 | 46,000 | 52.2 | 188.6 | 43,700 | 56.6 | 191.5 | 41,500 |      |       |        | 105 |
| 110 | 44.0 | 178.9 | 43,200 | 49.1 | 184.4 | 41,100 | 53.7 | 187.9 | 39,000 |      |       |        | 110 |
| 115 | 40.5 | 173.3 | 40,700 | 45.8 | 179.7 | 38,700 | 50.6 | 183.9 | 36,700 |      |       |        | 115 |
| 119 | 36.8 | 168.2 | 38,900 | 42.6 | 175.5 | 37,000 | 47.6 | 180.4 | 35,100 | 52.6 | 183.3 | 33,200 | 119 |
| 120 | 36.6 | 166.9 | 38,400 | 42.4 | 174.4 | 36,500 | 47.5 | 179.5 | 34,600 | 52.0 | 182.5 | 32,800 | 120 |
| 125 | 32.3 | 159.4 | 36,300 | 38.6 | 168.5 | 34,500 | 44.1 | 174.5 | 32,700 | 48.9 | 178.3 | 31,000 | 125 |
| 130 | 27.4 | 150.5 | 34,400 | 34.6 | 161.6 | 32,700 | 40.5 | 168.9 | 31,000 | 45.6 | 173.6 | 29,300 | 130 |
| 133 | 23.4 | 143.7 | 33,300 | 31.6 | 156.7 | 31,700 | 37.6 | 165.1 | 30,000 | 43.2 | 170.4 | 28,400 | 133 |
| 135 | 21.5 | 139.1 | 32,600 | 30.0 | 153.5 | 31,000 | 36.6 | 162.5 | 29,400 | 42.1 | 168.3 | 27,800 | 135 |
| 138 | 16.2 | 129.1 | 31,600 | 26.4 | 147.5 | 30,000 | 33.6 | 158.0 | 28,500 | 39.6 | 164.6 | 26,900 | 138 |
| 140 | 13.1 | 122.4 | 30,900 | 24.7 | 143.6 | 29,400 | 32.3 | 155.0 | 27,900 | 38.3 | 162.2 | 26,300 | 140 |
| 142 | 7.4  | 110.7 | 30,200 | 21.2 | 138.3 | 28,800 | 30.0 | 151.5 | 27,300 | 36.4 | 159.4 | 25,800 | 142 |
| 145 |      |       |        | 18.0 | 130.4 | 27,900 | 27.4 | 146.1 | 26,400 | 34.2 | 155.3 | 25,000 | 145 |
| 150 |      |       |        | 5.7  | 105.2 | 26,400 | 21.5 | 134.8 | 25,100 | 29.7 | 147.0 | 23,700 | 150 |
| 155 |      |       |        |      |       |        | 13.2 | 118.2 | 23,900 | 24.3 | 137.0 | 22,600 | 155 |
| 157 |      |       |        |      |       |        | 7.7  | 106.7 | 23,300 | 21.2 | 131.5 | 22,100 | 157 |
| 160 |      |       |        |      |       |        |      |       |        | 17.4 | 123.4 | 21,400 | 160 |
| 165 |      |       |        |      |       |        |      |       |        | 2.7  | 93.2  | 20,300 | 165 |



184,600 lb  
+  
44,000 lb



|     | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |         | <br>83° |                                                                                           |                                                                                           |  |
|-----|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
|     | <br>ft  | <br>ft | <br>lb | <br>ft  | <br>lb |         | <br>ft   | <br>lb | <br>ft |  |
| 44  | 75.6                                                                                     | 223.6                                                                                   | 108,200 b                                                                               |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 44                                                                                        |  |
| 45  | 75.1                                                                                     | 223.4                                                                                   | 107,900                                                                                 |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 45                                                                                        |  |
| 50  | 72.8                                                                                     | 221.9                                                                                   | 106,400                                                                                 |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 50                                                                                        |  |
| 51  | 71.6                                                                                     | 221.5                                                                                   | 105,700                                                                                 | 73.8                                                                                     | 222.3                                                                                   | 114,200 |                                                                                            |                                                                                           | 51                                                                                        |  |
| 55  | 70.5                                                                                     | 220.2                                                                                   | 103,100                                                                                 | 72.0                                                                                     | 221.0                                                                                   | 108,300 |                                                                                            |                                                                                           | 55                                                                                        |  |
| 60  | 68.1                                                                                     | 218.2                                                                                   | 96,700                                                                                  | 69.6                                                                                     | 219.2                                                                                   | 100,100 |                                                                                            |                                                                                           | 60                                                                                        |  |
| 62  | 66.8                                                                                     | 217.3                                                                                   | 94,300                                                                                  | 68.2                                                                                     | 218.4                                                                                   | 96,100  | 70.9                                                                                       | 219.6                                                                                     | 62                                                                                        |  |
| 65  | 65.7                                                                                     | 216.0                                                                                   | 90,800                                                                                  | 67.2                                                                                     | 217.2                                                                                   | 90,200  | 69.5                                                                                       | 218.5                                                                                     | 65                                                                                        |  |
| 70  | 63.3                                                                                     | 213.6                                                                                   | 83,400                                                                                  | 64.8                                                                                     | 214.9                                                                                   | 81,900  | 67.1                                                                                       | 216.5                                                                                     | 70                                                                                        |  |
| 73  | 61.2                                                                                     | 211.9                                                                                   | 79,100                                                                                  | 62.8                                                                                     | 213.4                                                                                   | 77,700  | 65.2                                                                                       | 215.1                                                                                     | 73                                                                                        |  |
| 75  | 60.8                                                                                     | 210.9                                                                                   | 76,300                                                                                  | 62.4                                                                                     | 212.4                                                                                   | 75,000  | 64.7                                                                                       | 214.2                                                                                     | 75                                                                                        |  |
| 80  | 58.2                                                                                     | 207.9                                                                                   | 70,200                                                                                  | 59.8                                                                                     | 209.5                                                                                   | 69,000  | 62.2                                                                                       | 211.6                                                                                     | 80                                                                                        |  |
| 85  | 55.6                                                                                     | 204.5                                                                                   | 64,900                                                                                  | 57.2                                                                                     | 206.4                                                                                   | 63,700  | 59.7                                                                                       | 208.8                                                                                     | 85                                                                                        |  |
| 90  | 52.8                                                                                     | 200.8                                                                                   | 60,300                                                                                  | 54.5                                                                                     | 202.9                                                                                   | 59,200  | 57.1                                                                                       | 205.6                                                                                     | 90                                                                                        |  |
| 91  | 51.4                                                                                     | 200.0                                                                                   | 59,500                                                                                  | 53.4                                                                                     | 202.2                                                                                   | 58,400  | 56.4                                                                                       | 204.9                                                                                     | 91                                                                                        |  |
| 95  | 50.0                                                                                     | 196.8                                                                                   | 56,200                                                                                  | 51.8                                                                                     | 199.1                                                                                   | 55,200  | 54.4                                                                                       | 202.1                                                                                     | 95                                                                                        |  |
| 100 | 47.0                                                                                     | 192.2                                                                                   | 52,600                                                                                  | 48.9                                                                                     | 194.9                                                                                   | 51,600  | 51.6                                                                                       | 198.3                                                                                     | 100                                                                                       |  |
| 105 | 43.9                                                                                     | 187.2                                                                                   | 49,300                                                                                  | 45.9                                                                                     | 190.2                                                                                   | 48,400  | 48.7                                                                                       | 194.0                                                                                     | 105                                                                                       |  |
| 108 | 41.2                                                                                     | 183.8                                                                                   | 47,500                                                                                  | 43.2                                                                                     | 187.0                                                                                   | 46,600  | 46.2                                                                                       | 191.2                                                                                     | 108                                                                                       |  |
| 110 | 40.6                                                                                     | 181.6                                                                                   | 46,400                                                                                  | 42.7                                                                                     | 185.0                                                                                   | 45,500  | 45.7                                                                                       | 189.3                                                                                     | 110                                                                                       |  |
| 115 | 37.0                                                                                     | 175.2                                                                                   | 43,700                                                                                  | 39.3                                                                                     | 179.1                                                                                   | 42,900  | 42.5                                                                                       | 184.0                                                                                     | 115                                                                                       |  |
| 120 | 33.1                                                                                     | 168.0                                                                                   | 41,300                                                                                  | 35.6                                                                                     | 172.4                                                                                   | 40,500  | 39.0                                                                                       | 178.1                                                                                     | 120                                                                                       |  |
| 125 | 28.7                                                                                     | 159.4                                                                                   | 39,000                                                                                  | 31.5                                                                                     | 164.7                                                                                   | 38,300  | 35.3                                                                                       | 171.4                                                                                     | 125                                                                                       |  |
| 130 | 23.6                                                                                     | 149.0                                                                                   | 37,000                                                                                  | 26.9                                                                                     | 155.6                                                                                   | 36,300  | 31.3                                                                                       | 163.6                                                                                     | 130                                                                                       |  |
| 135 | 17.1                                                                                     | 135.1                                                                                   | 34,100                                                                                  | 21.4                                                                                     | 144.1                                                                                   | 34,400  | 26.6                                                                                       | 154.3                                                                                     | 135                                                                                       |  |
| 140 | 5.0                                                                                      | 108.2                                                                                   | 25,600                                                                                  | 14.0                                                                                     | 127.9                                                                                   | 32,600  | 21.0                                                                                       | 142.7                                                                                     | 140                                                                                       |  |
| 143 |                                                                                          |                                                                                         |                                                                                         | 5.7                                                                                      | 109.5                                                                                   | 27,000  | 16.2                                                                                       | 132.6                                                                                     | 143                                                                                       |  |
| 145 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         | 13.3                                                                                       | 125.9                                                                                     | 145                                                                                       |  |
| 148 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         | 3.8                                                                                        | 104.6                                                                                     | 148                                                                                       |  |
| 150 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 150                                                                                       |  |
| 152 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 152                                                                                       |  |
| 155 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 155                                                                                       |  |
| 160 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 160                                                                                       |  |
| 165 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 165                                                                                       |  |
| 167 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 167                                                                                       |  |
| 170 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 170                                                                                       |  |
| 175 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |         |                                                                                            |                                                                                           | 175                                                                                       |  |

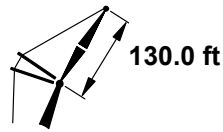
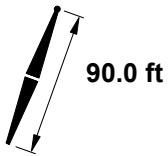


# MLC250 S-2

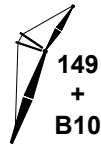
ASME B30.5



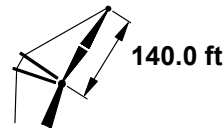
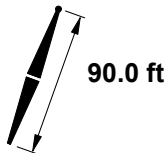
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  | 67.9 | 216.4 | 73,400 |      |       |        |      |       |        |      |       |        | 73  |
| 75  | 66.9 | 215.5 | 70,900 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 64.5 | 213.2 | 65,200 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 62.0 | 210.6 | 60,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 59.5 | 207.7 | 55,900 |      |       |        |      |       |        |      |       |        | 90  |
| 91  | 58.4 | 207.1 | 55,100 | 62.8 | 209.6 | 52,400 |      |       |        |      |       |        | 91  |
| 95  | 56.9 | 204.6 | 52,100 | 60.8 | 207.4 | 49,500 |      |       |        |      |       |        | 95  |
| 100 | 54.2 | 201.1 | 48,700 | 58.2 | 204.4 | 46,300 |      |       |        |      |       |        | 100 |
| 105 | 51.4 | 197.2 | 45,600 | 55.6 | 201.1 | 43,400 |      |       |        |      |       |        | 105 |
| 108 | 49.2 | 194.6 | 44,000 | 53.2 | 198.8 | 41,800 | 57.9 | 201.5 | 39,600 |      |       |        | 108 |
| 110 | 48.5 | 192.9 | 42,900 | 52.9 | 197.4 | 40,700 | 56.9 | 200.2 | 38,600 |      |       |        | 110 |
| 115 | 45.4 | 188.1 | 40,400 | 50.0 | 193.3 | 38,400 | 54.2 | 196.7 | 36,300 |      |       |        | 115 |
| 120 | 42.2 | 182.8 | 38,100 | 47.0 | 188.8 | 36,200 | 51.4 | 192.8 | 34,300 |      |       |        | 120 |
| 125 | 38.8 | 176.8 | 36,100 | 43.9 | 183.8 | 34,200 | 48.5 | 188.5 | 32,400 | 52.6 | 191.3 | 30,600 | 125 |
| 130 | 35.1 | 170.0 | 34,100 | 40.6 | 178.2 | 32,400 | 45.5 | 183.7 | 30,600 | 49.8 | 187.2 | 28,900 | 130 |
| 135 | 31.0 | 162.2 | 32,400 | 37.1 | 171.8 | 30,700 | 42.3 | 178.4 | 29,000 | 46.8 | 182.7 | 27,400 | 135 |
| 140 | 26.3 | 152.8 | 30,700 | 33.2 | 164.6 | 29,100 | 38.8 | 172.5 | 27,500 | 43.7 | 177.6 | 26,000 | 140 |
| 143 | 22.4 | 145.7 | 29,800 | 30.0 | 159.5 | 28,300 | 36.2 | 168.4 | 26,700 | 41.2 | 174.2 | 25,200 | 143 |
| 145 | 20.6 | 140.9 | 29,200 | 28.8 | 156.1 | 27,700 | 35.1 | 165.7 | 26,100 | 40.3 | 172.0 | 24,700 | 145 |
| 148 | 15.2 | 130.5 | 28,300 | 25.0 | 149.8 | 26,900 | 32.0 | 161.0 | 25,400 | 37.6 | 168.1 | 23,900 | 148 |
| 150 | 12.6 | 123.5 | 27,700 | 23.7 | 145.7 | 26,300 | 31.0 | 157.8 | 24,900 | 36.8 | 165.6 | 23,400 | 150 |
| 152 | 7.1  | 111.3 | 27,100 | 20.6 | 140.1 | 25,800 | 28.4 | 154.1 | 24,400 | 34.4 | 162.6 | 23,000 | 152 |
| 155 |      |       |        | 17.3 | 131.9 | 25,000 | 26.3 | 148.5 | 23,600 | 32.8 | 158.2 | 22,300 | 155 |
| 160 |      |       |        | 5.5  | 105.6 | 23,700 | 20.7 | 136.6 | 22,500 | 28.4 | 149.6 | 21,200 | 160 |
| 165 |      |       |        |      |       |        | 12.7 | 119.3 | 21,400 | 23.3 | 139.0 | 20,200 | 165 |
| 167 |      |       |        |      |       |        | 7.3  | 107.3 | 20,900 | 20.2 | 133.3 | 19,800 | 167 |
| 170 |      |       |        |      |       |        |      |       |        | 16.6 | 124.8 | 19,200 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 2.6  | 93.4  | 18,100 | 175 |



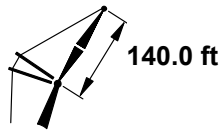
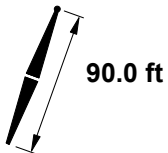
184,600 lb  
+  
44,000 lb



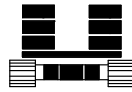
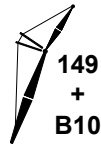
|     | 88°  |       |        | 86°  |       |         | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|---------|------|-------|--------|-----|
|     |      |       |        |      |       |         |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft      | lb   | ft    | ft     |     |
| 46  | 75.8 | 233.5 | 96,600 |      |       |         |      |       |        | 46  |
| 50  | 74.1 | 232.3 | 95,700 |      |       |         |      |       |        | 50  |
| 54  | 71.6 | 231.1 | 94,700 | 73.7 | 231.8 | 106,100 |      |       |        | 54  |
| 55  | 72.0 | 230.8 | 94,400 | 73.3 | 231.5 | 104,700 |      |       |        | 55  |
| 60  | 69.8 | 229.0 | 93,100 | 71.1 | 229.9 | 98,500  |      |       |        | 60  |
| 65  | 67.6 | 227.0 | 88,500 | 69.0 | 228.0 | 89,800  | 71.0 | 229.2 | 87,300 | 65  |
| 70  | 65.3 | 224.7 | 83,000 | 66.7 | 225.9 | 81,500  | 68.8 | 227.3 | 79,300 | 70  |
| 75  | 63.1 | 222.3 | 75,900 | 64.5 | 223.6 | 74,600  | 66.6 | 225.2 | 72,500 | 75  |
| 77  | 61.8 | 221.2 | 73,500 | 63.2 | 222.6 | 72,200  | 65.2 | 224.3 | 70,100 | 77  |
| 80  | 60.7 | 219.5 | 69,800 | 62.2 | 221.0 | 68,600  | 64.3 | 222.9 | 66,600 | 80  |
| 85  | 58.3 | 216.5 | 64,600 | 59.8 | 218.2 | 63,400  | 62.0 | 220.3 | 61,600 | 85  |
| 90  | 55.9 | 213.2 | 59,900 | 57.4 | 215.1 | 58,800  | 59.7 | 217.4 | 57,100 | 90  |
| 95  | 53.4 | 209.6 | 55,800 | 54.9 | 211.7 | 54,800  | 57.3 | 214.3 | 53,200 | 95  |
| 96  | 52.4 | 208.8 | 55,100 | 53.6 | 210.9 | 54,100  | 56.4 | 213.6 | 52,500 | 96  |
| 100 | 50.7 | 205.6 | 52,200 | 52.4 | 207.9 | 51,200  | 54.8 | 210.9 | 49,700 | 100 |
| 105 | 48.0 | 201.3 | 48,900 | 49.7 | 203.8 | 48,000  | 52.2 | 207.1 | 46,600 | 105 |
| 110 | 45.2 | 196.4 | 46,000 | 47.0 | 199.3 | 45,100  | 49.6 | 203.0 | 43,800 | 110 |
| 114 | 42.6 | 192.2 | 43,900 | 44.4 | 195.3 | 43,000  | 46.6 | 199.3 | 41,700 | 114 |
| 115 | 42.2 | 191.1 | 43,300 | 44.1 | 194.3 | 42,500  | 46.8 | 198.4 | 41,200 | 115 |
| 120 | 39.0 | 185.2 | 40,900 | 41.0 | 188.7 | 40,100  | 43.9 | 193.4 | 38,900 | 120 |
| 125 | 35.6 | 178.5 | 38,700 | 37.8 | 182.5 | 37,900  | 40.8 | 187.8 | 36,800 | 125 |
| 130 | 31.8 | 170.8 | 36,500 | 34.2 | 175.5 | 35,900  | 37.5 | 181.5 | 34,800 | 130 |
| 131 | 30.2 | 169.0 | 36,100 | 33.2 | 173.9 | 35,600  | 36.2 | 180.1 | 34,500 | 131 |
| 135 | 27.7 | 161.9 | 34,500 | 30.3 | 167.4 | 34,100  | 34.0 | 174.4 | 33,000 | 135 |
| 140 | 22.8 | 151.0 | 32,700 | 25.9 | 157.9 | 32,400  | 30.1 | 166.3 | 31,400 | 140 |
| 145 | 16.5 | 136.5 | 30,000 | 20.6 | 145.9 | 30,700  | 25.6 | 156.6 | 29,800 | 145 |
| 150 | 4.8  | 108.6 | 22,400 | 13.4 | 129.0 | 28,800  | 20.2 | 144.5 | 28,300 | 150 |
| 153 |      |       |        | 5.5  | 110.0 | 23,700  | 15.2 | 134.0 | 27,500 | 153 |
| 155 |      |       |        |      |       |         | 12.8 | 127.0 | 26,900 | 155 |
| 158 |      |       |        |      |       |         | 3.7  | 104.9 | 24,100 | 158 |
| 160 |      |       |        |      |       |         |      |       |        | 160 |
| 162 |      |       |        |      |       |         |      |       |        | 162 |
| 165 |      |       |        |      |       |         |      |       |        | 165 |
| 170 |      |       |        |      |       |         |      |       |        | 170 |
| 175 |      |       |        |      |       |         |      |       |        | 175 |
| 177 |      |       |        |      |       |         |      |       |        | 177 |
| 180 |      |       |        |      |       |         |      |       |        | 180 |
| 185 |      |       |        |      |       |         |      |       |        | 185 |



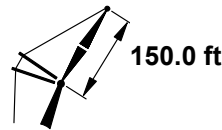
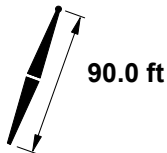
184,600 lb  
+  
44,000 lb

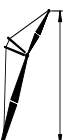
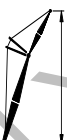


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  | 67.8 | 225.5 | 68,000 |      |       |        |      |       |        |      |       |        | 77  |
| 80  | 66.4 | 224.2 | 64,700 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 64.2 | 221.9 | 59,800 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 61.9 | 219.3 | 55,400 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 59.5 | 216.4 | 51,600 |      |       |        |      |       |        |      |       |        | 95  |
| 96  | 58.6 | 215.8 | 50,900 | 62.6 | 218.3 | 48,300 |      |       |        |      |       |        | 96  |
| 100 | 57.1 | 213.3 | 48,200 | 60.8 | 216.1 | 45,800 |      |       |        |      |       |        | 100 |
| 105 | 54.6 | 209.8 | 45,200 | 58.4 | 213.1 | 42,900 |      |       |        |      |       |        | 105 |
| 110 | 52.0 | 206.0 | 42,400 | 55.9 | 209.8 | 40,200 |      |       |        |      |       |        | 110 |
| 114 | 49.6 | 202.7 | 40,500 | 53.4 | 206.9 | 38,300 | 57.6 | 209.5 | 36,200 |      |       |        | 114 |
| 115 | 49.4 | 201.8 | 40,000 | 53.4 | 206.1 | 37,900 | 57.1 | 208.9 | 35,800 |      |       |        | 115 |
| 120 | 46.6 | 197.2 | 37,700 | 50.8 | 202.2 | 35,700 | 54.6 | 205.4 | 33,700 |      |       |        | 120 |
| 125 | 43.7 | 192.2 | 35,600 | 48.1 | 197.8 | 33,700 | 52.1 | 201.6 | 31,900 |      |       |        | 125 |
| 130 | 40.6 | 186.5 | 33,700 | 45.2 | 193.0 | 31,900 | 49.4 | 197.4 | 30,100 |      |       |        | 130 |
| 131 | 39.4 | 185.3 | 33,400 | 44.4 | 191.9 | 31,600 | 48.4 | 196.5 | 29,800 | 52.7 | 199.3 | 28,100 | 131 |
| 135 | 37.3 | 180.2 | 32,000 | 42.2 | 187.7 | 30,200 | 46.6 | 192.8 | 28,500 | 50.6 | 196.1 | 26,800 | 135 |
| 140 | 33.7 | 173.1 | 30,300 | 39.1 | 181.7 | 28,700 | 43.7 | 187.8 | 27,000 | 47.8 | 191.7 | 25,400 | 140 |
| 145 | 29.8 | 164.8 | 28,800 | 35.6 | 175.1 | 27,200 | 40.6 | 182.2 | 25,700 | 45.0 | 186.9 | 24,100 | 145 |
| 150 | 25.3 | 155.0 | 27,400 | 31.9 | 167.4 | 25,900 | 37.3 | 175.9 | 24,400 | 42.0 | 181.5 | 22,900 | 150 |
| 153 | 21.4 | 147.6 | 26,600 | 28.6 | 162.1 | 25,100 | 34.6 | 171.6 | 23,700 | 39.2 | 177.9 | 22,200 | 153 |
| 155 | 19.8 | 142.7 | 26,100 | 27.7 | 158.5 | 24,600 | 33.8 | 168.7 | 23,200 | 38.8 | 175.5 | 21,800 | 155 |
| 158 | 14.8 | 131.8 | 25,300 | 24.0 | 152.0 | 23,900 | 30.6 | 163.8 | 22,500 | 36.2 | 171.5 | 21,100 | 158 |
| 160 | 12.1 | 124.5 | 24,800 | 22.8 | 147.7 | 23,500 | 29.8 | 160.5 | 22,100 | 35.4 | 168.8 | 20,700 | 160 |
| 162 | 6.9  | 111.8 | 24,300 | 19.6 | 141.9 | 23,000 | 27.4 | 156.6 | 21,600 | 33.4 | 165.7 | 20,300 | 162 |
| 165 |      |       |        | 16.6 | 133.3 | 22,300 | 25.3 | 150.7 | 21,000 | 31.6 | 161.1 | 19,700 | 165 |
| 170 |      |       |        | 5.2  | 106.0 | 21,200 | 19.9 | 138.4 | 20,000 | 27.4 | 152.0 | 18,700 | 170 |
| 175 |      |       |        |      |       |        | 12.2 | 120.3 | 19,000 | 22.4 | 141.0 | 17,800 | 175 |
| 177 |      |       |        |      |       |        | 7.0  | 107.9 | 18,600 | 19.6 | 135.0 | 17,500 | 177 |
| 180 |      |       |        |      |       |        |      |       |        | 16.0 | 126.2 | 17,000 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 2.5  | 93.6  | 16,000 | 185 |



184,600 lb  
+  
44,000 lb



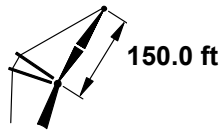
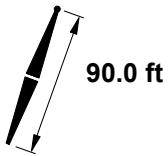
|                                                                                         | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                                                                                         | <br>83° |                                                                                           |                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>ft | <br>°   | <br>ft | <br>lb | <br>°   | <br>ft | <br>lb | <br>°    | <br>ft | <br>lb | <br>ft |
| 48                                                                                      | 76.0                                                                                     | 243.3                                                                                   | 86,600                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 48                                                                                        |
| 50                                                                                      | 75.2                                                                                     | 242.7                                                                                   | 86,200                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 50                                                                                        |
| 55                                                                                      | 73.2                                                                                     | 241.3                                                                                   | 85,200                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 55                                                                                        |
| 57                                                                                      | 72.2                                                                                     | 240.6                                                                                   | 84,800                                                                                  | 73.7                                                                                     | 241.4                                                                                   | 98,700                                                                                  |                                                                                            |                                                                                           |                                                                                           | 57                                                                                        |
| 60                                                                                      | 71.2                                                                                     | 239.6                                                                                   | 84,100                                                                                  | 72.4                                                                                     | 240.4                                                                                   | 95,500                                                                                  |                                                                                            |                                                                                           |                                                                                           | 60                                                                                        |
| 65                                                                                      | 69.1                                                                                     | 237.8                                                                                   | 83,100                                                                                  | 70.4                                                                                     | 238.7                                                                                   | 89,600                                                                                  |                                                                                            |                                                                                           |                                                                                           | 65                                                                                        |
| 69                                                                                      | 67.4                                                                                     | 236.1                                                                                   | 81,700                                                                                  | 68.4                                                                                     | 237.2                                                                                   | 83,000                                                                                  | 70.7                                                                                       | 238.4                                                                                     | 80,600                                                                                    | 69                                                                                        |
| 70                                                                                      | 67.1                                                                                     | 235.7                                                                                   | 81,300                                                                                  | 68.4                                                                                     | 236.8                                                                                   | 81,400                                                                                  | 70.3                                                                                       | 238.0                                                                                     | 79,100                                                                                    | 70                                                                                        |
| 75                                                                                      | 65.0                                                                                     | 233.4                                                                                   | 75,800                                                                                  | 66.3                                                                                     | 234.6                                                                                   | 74,400                                                                                  | 68.2                                                                                       | 236.1                                                                                     | 72,300                                                                                    | 75                                                                                        |
| 80                                                                                      | 62.8                                                                                     | 230.9                                                                                   | 69,700                                                                                  | 64.2                                                                                     | 232.3                                                                                   | 68,400                                                                                  | 66.2                                                                                       | 233.9                                                                                     | 66,500                                                                                    | 80                                                                                        |
| 81                                                                                      | 61.6                                                                                     | 230.4                                                                                   | 68,600                                                                                  | 63.6                                                                                     | 231.8                                                                                   | 67,300                                                                                  | 65.6                                                                                       | 233.4                                                                                     | 65,400                                                                                    | 81                                                                                        |
| 85                                                                                      | 60.7                                                                                     | 228.2                                                                                   | 64,400                                                                                  | 62.0                                                                                     | 229.7                                                                                   | 63,200                                                                                  | 64.1                                                                                       | 231.6                                                                                     | 61,400                                                                                    | 85                                                                                        |
| 90                                                                                      | 58.4                                                                                     | 225.2                                                                                   | 59,800                                                                                  | 59.8                                                                                     | 226.9                                                                                   | 58,600                                                                                  | 61.9                                                                                       | 228.9                                                                                     | 57,000                                                                                    | 90                                                                                        |
| 95                                                                                      | 56.2                                                                                     | 221.9                                                                                   | 55,700                                                                                  | 57.6                                                                                     | 223.8                                                                                   | 54,600                                                                                  | 59.7                                                                                       | 226.1                                                                                     | 53,000                                                                                    | 95                                                                                        |
| 100                                                                                     | 53.8                                                                                     | 218.4                                                                                   | 52,000                                                                                  | 55.3                                                                                     | 220.4                                                                                   | 51,000                                                                                  | 57.5                                                                                       | 223.0                                                                                     | 49,500                                                                                    | 100                                                                                       |
| 105                                                                                     | 51.4                                                                                     | 214.5                                                                                   | 48,800                                                                                  | 52.9                                                                                     | 216.7                                                                                   | 47,800                                                                                  | 55.1                                                                                       | 219.6                                                                                     | 46,400                                                                                    | 105                                                                                       |
| 110                                                                                     | 48.9                                                                                     | 210.2                                                                                   | 45,900                                                                                  | 50.5                                                                                     | 212.7                                                                                   | 45,000                                                                                  | 52.8                                                                                       | 215.9                                                                                     | 43,600                                                                                    | 110                                                                                       |
| 115                                                                                     | 46.3                                                                                     | 205.6                                                                                   | 43,200                                                                                  | 47.9                                                                                     | 208.3                                                                                   | 42,400                                                                                  | 50.3                                                                                       | 211.8                                                                                     | 41,100                                                                                    | 115                                                                                       |
| 119                                                                                     | 43.6                                                                                     | 201.5                                                                                   | 41,300                                                                                  | 45.4                                                                                     | 204.4                                                                                   | 40,400                                                                                  | 47.6                                                                                       | 208.3                                                                                     | 39,200                                                                                    | 119                                                                                       |
| 120                                                                                     | 43.6                                                                                     | 200.5                                                                                   | 40,800                                                                                  | 45.3                                                                                     | 203.5                                                                                   | 40,000                                                                                  | 47.8                                                                                       | 207.4                                                                                     | 38,800                                                                                    | 120                                                                                       |
| 125                                                                                     | 40.7                                                                                     | 194.8                                                                                   | 38,400                                                                                  | 42.5                                                                                     | 198.2                                                                                   | 37,800                                                                                  | 45.1                                                                                       | 202.6                                                                                     | 36,600                                                                                    | 125                                                                                       |
| 130                                                                                     | 37.6                                                                                     | 188.6                                                                                   | 36,300                                                                                  | 39.6                                                                                     | 192.3                                                                                   | 35,800                                                                                  | 42.3                                                                                       | 197.3                                                                                     | 34,700                                                                                    | 130                                                                                       |
| 135                                                                                     | 34.3                                                                                     | 181.6                                                                                   | 34,300                                                                                  | 36.4                                                                                     | 185.8                                                                                   | 34,000                                                                                  | 39.4                                                                                       | 191.4                                                                                     | 32,900                                                                                    | 135                                                                                       |
| 137                                                                                     | 32.4                                                                                     | 178.4                                                                                   | 33,600                                                                                  | 34.8                                                                                     | 182.9                                                                                   | 33,300                                                                                  | 37.8                                                                                       | 188.7                                                                                     | 32,200                                                                                    | 137                                                                                       |
| 140                                                                                     | 30.7                                                                                     | 173.6                                                                                   | 32,500                                                                                  | 33.0                                                                                     | 178.5                                                                                   | 32,300                                                                                  | 36.2                                                                                       | 184.8                                                                                     | 31,200                                                                                    | 140                                                                                       |
| 145                                                                                     | 26.7                                                                                     | 164.2                                                                                   | 30,800                                                                                  | 29.3                                                                                     | 170.0                                                                                   | 30,700                                                                                  | 32.8                                                                                       | 177.4                                                                                     | 29,700                                                                                    | 145                                                                                       |
| 150                                                                                     | 22.0                                                                                     | 152.9                                                                                   | 29,200                                                                                  | 25.0                                                                                     | 160.1                                                                                   | 29,200                                                                                  | 29.0                                                                                       | 168.9                                                                                     | 28,300                                                                                    | 150                                                                                       |
| 155                                                                                     | 15.9                                                                                     | 137.9                                                                                   | 26,800                                                                                  | 19.9                                                                                     | 147.7                                                                                   | 27,800                                                                                  | 24.7                                                                                       | 158.8                                                                                     | 26,900                                                                                    | 155                                                                                       |
| 160                                                                                     | 4.7                                                                                      | 108.9                                                                                   | 20,000                                                                                  | 12.9                                                                                     | 130.2                                                                                   | 25,700                                                                                  | 19.5                                                                                       | 146.2                                                                                     | 25,600                                                                                    | 160                                                                                       |
| 163                                                                                     |                                                                                          |                                                                                         |                                                                                         | 5.3                                                                                      | 110.4                                                                                   | 21,200                                                                                  | 14.8                                                                                       | 135.3                                                                                     | 24,900                                                                                    | 163                                                                                       |
| 165                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 12.4                                                                                       | 128.1                                                                                     | 24,400                                                                                    | 165                                                                                       |
| 168                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 3.5                                                                                        | 105.1                                                                                     | 21,600                                                                                    | 168                                                                                       |
| 170                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 170                                                                                       |
| 172                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 172                                                                                       |
| 175                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 175                                                                                       |
| 180                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 180                                                                                       |
| 185                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 185                                                                                       |
| 187                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 187                                                                                       |
| 190                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 190                                                                                       |
| 195                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 195                                                                                       |

# MLC250 S-2

ASME B30.5



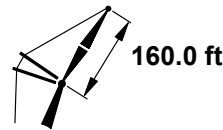
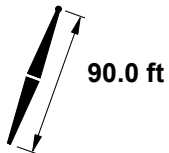
184,600 lb  
+  
44,000 lb

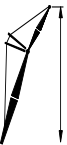
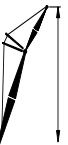
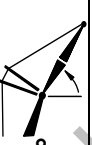


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 81  | 67.7 | 234.7 | 63,500 |      |       |        |      |       |        |      |       |        | 81  |
| 85  | 66.0 | 233.0 | 59,600 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.9 | 230.6 | 55,300 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 61.7 | 227.9 | 51,500 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 59.5 | 225.1 | 48,100 | 62.9 | 227.5 | 45,600 |      |       |        |      |       |        | 100 |
| 105 | 57.3 | 221.9 | 45,000 | 60.7 | 224.7 | 42,700 |      |       |        |      |       |        | 105 |
| 110 | 55.0 | 218.5 | 42,300 | 58.5 | 221.7 | 40,100 |      |       |        |      |       |        | 110 |
| 115 | 52.6 | 214.8 | 39,800 | 56.2 | 218.5 | 37,700 |      |       |        |      |       |        | 115 |
| 119 | 50.4 | 211.5 | 38,000 | 53.6 | 215.6 | 36,000 | 57.8 | 218.2 | 34,000 |      |       |        | 119 |
| 120 | 50.1 | 210.7 | 37,500 | 53.9 | 214.9 | 35,500 | 57.3 | 217.5 | 33,600 |      |       |        | 120 |
| 125 | 47.6 | 206.3 | 35,500 | 51.4 | 211.0 | 33,600 | 55.0 | 214.1 | 31,700 |      |       |        | 125 |
| 130 | 44.9 | 201.4 | 33,600 | 48.9 | 206.8 | 31,700 | 52.6 | 210.4 | 29,900 |      |       |        | 130 |
| 135 | 42.1 | 196.0 | 31,800 | 46.3 | 202.1 | 30,100 | 50.2 | 206.3 | 28,400 |      |       |        | 135 |
| 137 | 40.8 | 193.7 | 31,200 | 44.8 | 200.1 | 29,500 | 48.8 | 204.5 | 27,800 | 52.7 | 207.3 | 26,100 | 137 |
| 140 | 39.1 | 190.1 | 30,200 | 43.6 | 197.0 | 28,500 | 47.6 | 201.9 | 26,900 | 51.2 | 205.0 | 25,300 | 140 |
| 145 | 36.0 | 183.5 | 28,700 | 40.7 | 191.4 | 27,100 | 44.9 | 197.0 | 25,500 | 48.7 | 200.7 | 24,000 | 145 |
| 150 | 32.5 | 176.0 | 27,300 | 37.7 | 185.2 | 25,800 | 42.1 | 191.7 | 24,200 | 46.1 | 196.0 | 22,700 | 150 |
| 155 | 28.7 | 167.4 | 26,000 | 34.4 | 178.2 | 24,500 | 39.2 | 185.7 | 23,000 | 43.4 | 190.9 | 21,600 | 155 |
| 160 | 24.4 | 157.2 | 24,800 | 30.8 | 170.2 | 23,400 | 36.0 | 179.1 | 21,900 | 40.5 | 185.2 | 20,600 | 160 |
| 163 | 21.0 | 149.5 | 24,100 | 27.6 | 164.6 | 22,700 | 33.6 | 174.6 | 21,300 | 38.2 | 181.4 | 20,000 | 163 |
| 165 | 19.1 | 144.3 | 23,600 | 26.8 | 160.9 | 22,300 | 32.6 | 171.7 | 20,900 | 37.4 | 178.9 | 19,600 | 165 |
| 168 | 14.2 | 133.0 | 22,900 | 23.6 | 154.1 | 21,600 | 29.6 | 166.5 | 20,300 | 35.2 | 174.7 | 19,000 | 168 |
| 170 | 11.7 | 125.5 | 22,500 | 22.0 | 149.6 | 21,200 | 28.8 | 163.1 | 19,900 | 34.1 | 171.8 | 18,600 | 170 |
| 172 | 6.6  | 112.4 | 22,000 | 19.6 | 143.6 | 20,800 | 26.4 | 159.0 | 19,500 | 32.4 | 168.6 | 18,300 | 172 |
| 175 |      |       |        | 16.0 | 134.7 | 20,200 | 24.4 | 152.9 | 19,000 | 30.5 | 163.8 | 17,700 | 175 |
| 180 |      |       |        | 5.0  | 106.4 | 19,200 | 19.2 | 140.0 | 18,100 | 26.4 | 154.4 | 16,900 | 180 |
| 185 |      |       |        |      |       |        | 11.8 | 121.4 | 17,200 | 21.6 | 142.9 | 16,100 | 185 |
| 187 |      |       |        |      |       |        | 6.8  | 108.4 | 16,800 | 18.6 | 136.7 | 15,800 | 187 |
| 190 |      |       |        |      |       |        |      |       |        | 15.5 | 127.5 | 15,300 | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 2.4  | 93.7  | 14,500 | 195 |



184,600 lb  
+  
44,000 lb



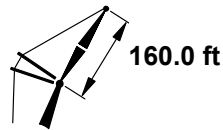
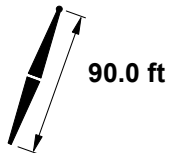
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 51                                                                                   | 75.8                                                                                  | 252.8                                                                                | 77,300                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 51                                                                                     |
| 55                                                                                   | 74.3                                                                                  | 251.7                                                                                | 76,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 59                                                                                   | 72.4                                                                                  | 250.5                                                                                | 76,000                                                                               | 74.0                                                                                  | 251.2                                                                                | 87,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 59                                                                                     |
| 60                                                                                   | 72.4                                                                                  | 250.2                                                                                | 75,900                                                                               | 73.6                                                                                  | 250.9                                                                                | 87,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 70.5                                                                                  | 248.5                                                                                | 74,900                                                                               | 71.7                                                                                  | 249.3                                                                                | 87,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 68.6                                                                                  | 246.5                                                                                | 74,000                                                                               | 69.8                                                                                  | 247.5                                                                                | 81,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 72                                                                                   | 67.2                                                                                  | 245.7                                                                                | 73,700                                                                               | 68.2                                                                                  | 246.7                                                                                | 78,200                                                                               | 70.8                                                                                    | 247.9                                                                                  | 75,800                                                                                 | 72                                                                                     |
| 75                                                                                   | 66.7                                                                                  | 244.4                                                                                | 73,200                                                                               | 67.9                                                                                  | 245.5                                                                                | 74,000                                                                               | 69.7                                                                                    | 246.8                                                                                  | 71,900                                                                                 | 75                                                                                     |
| 80                                                                                   | 64.7                                                                                  | 242.1                                                                                | 69,300                                                                               | 65.9                                                                                  | 243.4                                                                                | 68,000                                                                               | 67.7                                                                                    | 244.8                                                                                  | 66,000                                                                                 | 80                                                                                     |
| 84                                                                                   | 62.4                                                                                  | 240.1                                                                                | 65,100                                                                               | 63.4                                                                                  | 241.4                                                                                | 63,800                                                                               | 65.4                                                                                    | 243.1                                                                                  | 62,000                                                                                 | 84                                                                                     |
| 85                                                                                   | 62.7                                                                                  | 239.6                                                                                | 64,000                                                                               | 63.9                                                                                  | 241.0                                                                                | 62,800                                                                               | 65.8                                                                                    | 242.6                                                                                  | 61,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 60.6                                                                                  | 236.8                                                                                | 59,400                                                                               | 61.9                                                                                  | 238.4                                                                                | 58,200                                                                               | 63.8                                                                                    | 240.2                                                                                  | 56,500                                                                                 | 90                                                                                     |
| 95                                                                                   | 58.5                                                                                  | 233.9                                                                                | 55,300                                                                               | 59.9                                                                                  | 235.5                                                                                | 54,200                                                                               | 61.8                                                                                    | 237.6                                                                                  | 52,600                                                                                 | 95                                                                                     |
| 100                                                                                  | 56.4                                                                                  | 230.6                                                                                | 51,700                                                                               | 57.8                                                                                  | 232.4                                                                                | 50,700                                                                               | 59.7                                                                                    | 234.8                                                                                  | 49,100                                                                                 | 100                                                                                    |
| 105                                                                                  | 54.2                                                                                  | 227.1                                                                                | 48,400                                                                               | 55.6                                                                                  | 229.1                                                                                | 47,500                                                                               | 57.6                                                                                    | 231.7                                                                                  | 46,000                                                                                 | 105                                                                                    |
| 110                                                                                  | 52.0                                                                                  | 223.3                                                                                | 45,500                                                                               | 53.4                                                                                  | 225.5                                                                                | 44,600                                                                               | 55.5                                                                                    | 228.3                                                                                  | 43,200                                                                                 | 110                                                                                    |
| 115                                                                                  | 49.6                                                                                  | 219.1                                                                                | 42,800                                                                               | 51.1                                                                                  | 221.5                                                                                | 42,000                                                                               | 53.2                                                                                    | 224.6                                                                                  | 40,700                                                                                 | 115                                                                                    |
| 120                                                                                  | 47.2                                                                                  | 214.6                                                                                | 40,400                                                                               | 48.7                                                                                  | 217.2                                                                                | 39,600                                                                               | 51.0                                                                                    | 220.7                                                                                  | 38,300                                                                                 | 120                                                                                    |
| 124                                                                                  | 44.6                                                                                  | 210.7                                                                                | 38,600                                                                               | 46.4                                                                                  | 213.5                                                                                | 37,900                                                                               | 48.4                                                                                    | 217.2                                                                                  | 36,600                                                                                 | 124                                                                                    |
| 125                                                                                  | 44.7                                                                                  | 209.7                                                                                | 38,100                                                                               | 46.3                                                                                  | 212.6                                                                                | 37,400                                                                               | 48.6                                                                                    | 216.4                                                                                  | 36,200                                                                                 | 125                                                                                    |
| 130                                                                                  | 42.1                                                                                  | 204.3                                                                                | 35,900                                                                               | 43.8                                                                                  | 207.5                                                                                | 35,400                                                                               | 46.1                                                                                    | 211.7                                                                                  | 34,300                                                                                 | 130                                                                                    |
| 135                                                                                  | 39.3                                                                                  | 198.4                                                                                | 33,900                                                                               | 41.1                                                                                  | 201.9                                                                                | 33,600                                                                               | 43.6                                                                                    | 206.6                                                                                  | 32,500                                                                                 | 135                                                                                    |
| 140                                                                                  | 36.4                                                                                  | 191.9                                                                                | 32,000                                                                               | 38.2                                                                                  | 195.8                                                                                | 31,900                                                                               | 40.9                                                                                    | 201.0                                                                                  | 30,800                                                                                 | 140                                                                                    |
| 143                                                                                  | 34.2                                                                                  | 187.5                                                                                | 31,000                                                                               | 36.2                                                                                  | 191.7                                                                                | 30,900                                                                               | 38.8                                                                                    | 197.3                                                                                  | 29,900                                                                                 | 143                                                                                    |
| 145                                                                                  | 33.2                                                                                  | 184.6                                                                                | 30,300                                                                               | 35.2                                                                                  | 189.0                                                                                | 30,300                                                                               | 38.1                                                                                    | 194.8                                                                                  | 29,300                                                                                 | 145                                                                                    |
| 150                                                                                  | 29.7                                                                                  | 176.2                                                                                | 28,800                                                                               | 31.9                                                                                  | 181.3                                                                                | 28,800                                                                               | 35.0                                                                                    | 188.0                                                                                  | 27,900                                                                                 | 150                                                                                    |
| 155                                                                                  | 25.8                                                                                  | 166.5                                                                                | 27,300                                                                               | 28.3                                                                                  | 172.5                                                                                | 27,500                                                                               | 31.7                                                                                    | 180.2                                                                                  | 26,500                                                                                 | 155                                                                                    |
| 160                                                                                  | 21.2                                                                                  | 154.8                                                                                | 25,900                                                                               | 24.2                                                                                  | 162.2                                                                                | 26,200                                                                               | 28.1                                                                                    | 171.4                                                                                  | 25,300                                                                                 | 160                                                                                    |
| 165                                                                                  | 15.4                                                                                  | 139.3                                                                                | 23,600                                                                               | 19.3                                                                                  | 149.3                                                                                | 25,000                                                                               | 23.9                                                                                    | 160.9                                                                                  | 24,100                                                                                 | 165                                                                                    |
| 170                                                                                  | 4.5                                                                                   | 109.3                                                                                | 17,500                                                                               | 12.5                                                                                  | 131.2                                                                                | 22,700                                                                               | 18.9                                                                                    | 147.8                                                                                  | 23,000                                                                                 | 170                                                                                    |
| 173                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.1                                                                                   | 110.8                                                                                | 18,600                                                                               | 13.8                                                                                    | 136.6                                                                                  | 22,300                                                                                 | 173                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 12.0                                                                                    | 129.1                                                                                  | 21,900                                                                                 | 175                                                                                    |
| 178                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.4                                                                                     | 105.4                                                                                  | 19,000                                                                                 | 178                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 182                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 182                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 197                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 197                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |

# MLC250 S-2

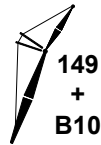
ASME B30.5



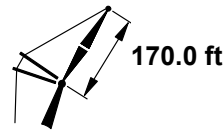
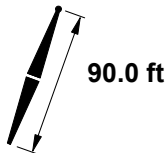
184,600 lb  
+  
44,000 lb

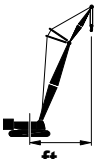
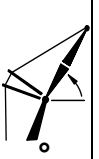
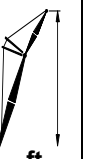
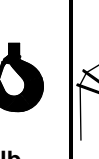


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 68.0 | 244.3 | 60,100 |      |       |        |      |       |        |      |       |        | 84  |
| 85  | 67.6 | 243.9 | 59,100 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.7 | 241.7 | 54,800 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.7 | 239.2 | 51,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 61.6 | 236.6 | 47,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 59.6 | 233.7 | 44,600 | 62.7 | 236.1 | 42,200 |      |       |        |      |       |        | 105 |
| 110 | 57.5 | 230.6 | 41,800 | 60.7 | 233.4 | 39,600 |      |       |        |      |       |        | 110 |
| 115 | 55.3 | 227.2 | 39,400 | 58.6 | 230.4 | 37,200 |      |       |        |      |       |        | 115 |
| 120 | 53.1 | 223.6 | 37,100 | 56.4 | 227.1 | 35,000 |      |       |        |      |       |        | 120 |
| 124 | 50.6 | 220.4 | 35,400 | 54.4 | 224.3 | 33,500 | 57.9 | 226.9 | 31,500 |      |       |        | 124 |
| 125 | 50.8 | 219.6 | 35,000 | 54.3 | 223.6 | 33,100 | 57.5 | 226.2 | 31,200 |      |       |        | 125 |
| 130 | 48.4 | 215.3 | 33,100 | 52.0 | 219.8 | 31,300 | 55.3 | 222.8 | 29,400 |      |       |        | 130 |
| 135 | 46.0 | 210.5 | 31,400 | 49.7 | 215.7 | 29,600 | 53.1 | 219.2 | 27,800 |      |       |        | 135 |
| 140 | 43.4 | 205.4 | 29,800 | 47.3 | 211.2 | 28,100 | 50.8 | 215.2 | 26,400 |      |       |        | 140 |
| 143 | 41.2 | 202.0 | 28,900 | 45.2 | 208.2 | 27,200 | 48.8 | 212.6 | 25,600 | 52.7 | 215.3 | 23,900 | 143 |
| 145 | 40.7 | 199.8 | 28,300 | 44.8 | 206.3 | 26,600 | 48.4 | 210.9 | 25,000 | 51.8 | 213.8 | 23,400 | 145 |
| 150 | 37.8 | 193.6 | 26,900 | 42.1 | 200.9 | 25,300 | 46.0 | 206.2 | 23,700 | 49.5 | 209.6 | 22,200 | 150 |
| 155 | 34.8 | 186.6 | 25,600 | 39.4 | 195.0 | 24,100 | 43.4 | 201.0 | 22,600 | 47.1 | 205.1 | 21,100 | 155 |
| 160 | 31.5 | 178.8 | 24,400 | 36.4 | 188.5 | 22,900 | 40.7 | 195.4 | 21,500 | 44.6 | 200.1 | 20,000 | 160 |
| 165 | 27.8 | 169.9 | 23,300 | 33.2 | 181.2 | 21,800 | 37.9 | 189.2 | 20,400 | 41.9 | 194.7 | 19,100 | 165 |
| 170 | 23.6 | 159.3 | 22,200 | 29.8 | 172.8 | 20,800 | 34.8 | 182.3 | 19,400 | 39.1 | 188.8 | 18,100 | 170 |
| 173 | 20.0 | 151.3 | 21,600 | 26.6 | 167.0 | 20,200 | 32.2 | 177.6 | 18,900 | 37.2 | 184.8 | 17,600 | 173 |
| 175 | 18.5 | 145.9 | 21,100 | 25.9 | 163.2 | 19,800 | 31.5 | 174.5 | 18,500 | 36.2 | 182.2 | 17,200 | 175 |
| 178 | 13.8 | 134.3 | 20,500 | 22.6 | 156.2 | 19,300 | 28.6 | 169.1 | 18,000 | 33.6 | 177.8 | 16,700 | 178 |
| 180 | 11.3 | 126.5 | 20,100 | 21.3 | 151.5 | 18,900 | 27.8 | 165.5 | 17,700 | 33.0 | 174.8 | 16,400 | 180 |
| 182 | 6.4  | 112.9 | 19,700 | 18.6 | 145.3 | 18,600 | 25.4 | 161.3 | 17,300 | 30.8 | 171.4 | 16,100 | 182 |
| 185 |      |       |        | 15.5 | 136.0 | 18,000 | 23.6 | 154.9 | 16,800 | 29.5 | 166.4 | 15,600 | 185 |
| 190 |      |       |        | 4.9  | 106.8 | 17,100 | 18.5 | 141.6 | 16,000 | 25.5 | 156.6 | 14,900 | 190 |
| 195 |      |       |        |      |       |        | 11.4 | 122.3 | 15,200 | 20.9 | 144.7 | 14,200 | 195 |
| 197 |      |       |        |      |       |        | 6.6  | 108.9 | 14,900 | 17.6 | 138.3 | 13,900 | 197 |
| 200 |      |       |        |      |       |        |      |       |        | 14.9 | 128.8 | 13,500 | 200 |
| 205 |      |       |        |      |       |        |      |       |        | 2.3  | 93.9  | 12,700 | 205 |



184,600 lb  
+  
44,000 lb



|     | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                               |                                                                                    |                                                                                     |                                                                                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |  |  |  |  |  |  |  |  |  |  |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  |
| 53  | 75.9                                                                              | 262.6                                                                             | 69,300                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 53                                                                                  |
| 55  | 75.2                                                                              | 262.1                                                                             | 69,100                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 55                                                                                  |
| 60  | 73.5                                                                              | 260.7                                                                             | 68,600                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 60                                                                                  |
| 62  | 72.2                                                                              | 260.0                                                                             | 68,300                                                                            | 73.9                                                                              | 260.8                                                                             | 78,300                                                                            |                                                                                   |                                                                                    |                                                                                     | 62                                                                                  |
| 65  | 71.7                                                                              | 259.0                                                                             | 67,900                                                                            | 72.8                                                                              | 259.8                                                                             | 78,000                                                                            |                                                                                   |                                                                                    |                                                                                     | 65                                                                                  |
| 70  | 69.9                                                                              | 257.3                                                                             | 67,100                                                                            | 71.0                                                                              | 258.2                                                                             | 77,600                                                                            |                                                                                   |                                                                                    |                                                                                     | 70                                                                                  |
| 75  | 68.1                                                                              | 255.3                                                                             | 66,400                                                                            | 69.2                                                                              | 256.3                                                                             | 73,700                                                                            | 70.9                                                                              | 257.5                                                                              | 71,500                                                                              | 75                                                                                  |
| 80  | 66.3                                                                              | 253.2                                                                             | 65,600                                                                            | 67.4                                                                              | 254.3                                                                             | 67,700                                                                            | 69.1                                                                              | 255.6                                                                              | 65,700                                                                              | 80                                                                                  |
| 85  | 64.4                                                                              | 250.8                                                                             | 63,400                                                                            | 65.6                                                                              | 252.1                                                                             | 62,500                                                                            | 67.3                                                                              | 253.6                                                                              | 60,600                                                                              | 85                                                                                  |
| 88  | 62.8                                                                              | 249.3                                                                             | 60,800                                                                            | 63.8                                                                              | 250.6                                                                             | 59,700                                                                            | 65.8                                                                              | 252.2                                                                              | 57,900                                                                              | 88                                                                                  |
| 90  | 62.5                                                                              | 248.3                                                                             | 59,100                                                                            | 63.7                                                                              | 249.6                                                                             | 57,900                                                                            | 65.5                                                                              | 251.3                                                                              | 56,200                                                                              | 90                                                                                  |
| 95  | 60.6                                                                              | 245.5                                                                             | 55,000                                                                            | 61.8                                                                              | 247.0                                                                             | 53,900                                                                            | 63.6                                                                              | 248.9                                                                              | 52,300                                                                              | 95                                                                                  |
| 100 | 58.6                                                                              | 242.5                                                                             | 51,400                                                                            | 59.9                                                                              | 244.2                                                                             | 50,300                                                                            | 61.7                                                                              | 246.3                                                                              | 48,800                                                                              | 100                                                                                 |
| 105 | 56.6                                                                              | 239.3                                                                             | 48,100                                                                            | 57.9                                                                              | 241.1                                                                             | 47,100                                                                            | 59.7                                                                              | 243.4                                                                              | 45,700                                                                              | 105                                                                                 |
| 109 | 54.4                                                                              | 236.5                                                                             | 45,800                                                                            | 55.4                                                                              | 238.4                                                                             | 44,800                                                                            | 57.4                                                                              | 240.9                                                                              | 43,400                                                                              | 109                                                                                 |
| 110 | 54.6                                                                              | 235.8                                                                             | 45,200                                                                            | 55.9                                                                              | 237.8                                                                             | 44,200                                                                            | 57.8                                                                              | 240.3                                                                              | 42,900                                                                              | 110                                                                                 |
| 115 | 52.5                                                                              | 232.1                                                                             | 42,500                                                                            | 53.8                                                                              | 234.2                                                                             | 41,600                                                                            | 55.7                                                                              | 237.0                                                                              | 40,300                                                                              | 115                                                                                 |
| 120 | 50.3                                                                              | 228.0                                                                             | 40,100                                                                            | 51.7                                                                              | 230.3                                                                             | 39,300                                                                            | 53.7                                                                              | 233.4                                                                              | 38,000                                                                              | 120                                                                                 |
| 125 | 48.1                                                                              | 223.6                                                                             | 37,700                                                                            | 49.5                                                                              | 226.2                                                                             | 37,100                                                                            | 51.5                                                                              | 229.5                                                                              | 35,900                                                                              | 125                                                                                 |
| 129 | 45.6                                                                              | 219.8                                                                             | 35,900                                                                            | 47.4                                                                              | 222.5                                                                             | 35,500                                                                            | 49.4                                                                              | 226.2                                                                              | 34,300                                                                              | 129                                                                                 |
| 130 | 45.7                                                                              | 218.9                                                                             | 35,500                                                                            | 47.2                                                                              | 221.6                                                                             | 35,100                                                                            | 49.3                                                                              | 225.3                                                                              | 34,000                                                                              | 130                                                                                 |
| 135 | 43.3                                                                              | 213.7                                                                             | 33,500                                                                            | 44.8                                                                              | 216.7                                                                             | 33,300                                                                            | 47.0                                                                              | 220.8                                                                              | 32,200                                                                              | 135                                                                                 |
| 140 | 40.8                                                                              | 208.1                                                                             | 31,600                                                                            | 42.4                                                                              | 211.4                                                                             | 31,600                                                                            | 44.7                                                                              | 215.8                                                                              | 30,500                                                                              | 140                                                                                 |
| 145 | 38.1                                                                              | 201.9                                                                             | 29,900                                                                            | 39.8                                                                              | 205.6                                                                             | 30,000                                                                            | 42.2                                                                              | 210.5                                                                              | 29,000                                                                              | 145                                                                                 |
| 149 | 35.6                                                                              | 196.4                                                                             | 28,600                                                                            | 37.4                                                                              | 200.5                                                                             | 28,800                                                                            | 39.6                                                                              | 205.8                                                                              | 27,800                                                                              | 149                                                                                 |
| 150 | 35.2                                                                              | 195.1                                                                             | 28,300                                                                            | 37.0                                                                              | 199.2                                                                             | 28,500                                                                            | 39.6                                                                              | 204.6                                                                              | 27,600                                                                              | 150                                                                                 |
| 155 | 32.2                                                                              | 187.4                                                                             | 26,800                                                                            | 34.1                                                                              | 192.1                                                                             | 27,200                                                                            | 36.9                                                                              | 198.2                                                                              | 26,200                                                                              | 155                                                                                 |
| 160 | 28.8                                                                              | 178.8                                                                             | 25,400                                                                            | 30.9                                                                              | 184.1                                                                             | 25,900                                                                            | 33.9                                                                              | 191.0                                                                              | 25,000                                                                              | 160                                                                                 |
| 165 | 25.0                                                                              | 168.7                                                                             | 24,200                                                                            | 27.4                                                                              | 175.0                                                                             | 24,700                                                                            | 30.7                                                                              | 183.0                                                                              | 23,800                                                                              | 165                                                                                 |
| 170 | 20.6                                                                              | 156.6                                                                             | 23,000                                                                            | 23.5                                                                              | 164.3                                                                             | 23,600                                                                            | 27.2                                                                              | 173.8                                                                              | 22,700                                                                              | 170                                                                                 |
| 175 | 14.9                                                                              | 140.5                                                                             | 20,800                                                                            | 18.7                                                                              | 151.0                                                                             | 22,500                                                                            | 23.2                                                                              | 162.9                                                                              | 21,700                                                                              | 175                                                                                 |
| 180 | 4.3                                                                               | 109.6                                                                             | 15,200                                                                            | 12.1                                                                              | 132.3                                                                             | 20,000                                                                            | 18.3                                                                              | 149.4                                                                              | 20,700                                                                              | 180                                                                                 |
| 183 |                                                                                   |                                                                                   |                                                                                   | 5.0                                                                               | 111.2                                                                             | 16,300                                                                            | 13.8                                                                              | 137.8                                                                              | 20,100                                                                              | 183                                                                                 |
| 185 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 11.6                                                                              | 130.1                                                                              | 19,700                                                                              | 185                                                                                 |
| 188 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 3.3                                                                               | 105.6                                                                              | 16,700                                                                              | 188                                                                                 |
| 190 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 190                                                                                 |
| 192 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 192                                                                                 |
| 195 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 195                                                                                 |
| 200 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 200                                                                                 |
| 205 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 205                                                                                 |
| 207 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 207                                                                                 |
| 210 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 210                                                                                 |
| 215 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 215                                                                                 |

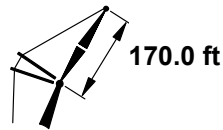
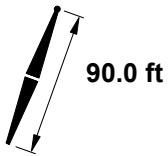


# MLC250 S-2

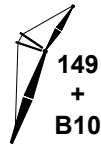
ASME B30.5



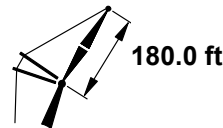
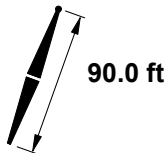
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 67.9 | 253.5 | 56,100 |      |       |        |      |       |        |      |       |        | 88  |
| 90  | 67.2 | 252.6 | 54,400 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 65.3 | 250.4 | 50,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 63.4 | 247.9 | 47,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.5 | 245.3 | 44,200 |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 59.4 | 243.0 | 42,000 | 62.9 | 245.3 | 39,700 |      |       |        |      |       |        | 109 |
| 110 | 59.6 | 242.4 | 41,500 | 62.5 | 244.8 | 39,200 |      |       |        |      |       |        | 110 |
| 115 | 57.6 | 239.3 | 39,000 | 60.6 | 242.0 | 36,800 |      |       |        |      |       |        | 115 |
| 120 | 55.6 | 235.9 | 36,700 | 58.7 | 239.1 | 34,700 |      |       |        |      |       |        | 120 |
| 125 | 53.5 | 232.3 | 34,700 | 56.7 | 235.8 | 32,700 |      |       |        |      |       |        | 125 |
| 129 | 51.4 | 229.2 | 33,200 | 54.4 | 233.0 | 31,300 | 58.0 | 235.5 | 29,400 |      |       |        | 129 |
| 130 | 51.4 | 228.4 | 32,800 | 54.6 | 232.4 | 30,900 | 57.6 | 234.9 | 29,000 |      |       |        | 130 |
| 135 | 49.2 | 224.2 | 31,100 | 52.5 | 228.6 | 29,200 | 55.6 | 231.5 | 27,500 |      |       |        | 135 |
| 140 | 46.9 | 219.6 | 29,500 | 50.3 | 224.6 | 27,700 | 53.5 | 227.9 | 26,000 |      |       |        | 140 |
| 145 | 44.5 | 214.7 | 28,000 | 48.1 | 220.2 | 26,300 | 51.4 | 224.0 | 24,600 |      |       |        | 145 |
| 149 | 42.4 | 210.3 | 26,900 | 45.6 | 216.4 | 25,200 | 49.4 | 220.6 | 23,600 | 52.8 | 223.3 | 22,100 | 149 |
| 150 | 42.0 | 209.3 | 26,600 | 45.8 | 215.4 | 25,000 | 49.2 | 219.8 | 23,400 | 52.3 | 222.6 | 21,800 | 150 |
| 155 | 39.4 | 203.4 | 25,300 | 43.3 | 210.3 | 23,700 | 46.9 | 215.2 | 22,200 | 50.2 | 218.5 | 20,700 | 155 |
| 160 | 36.7 | 196.9 | 24,100 | 40.8 | 204.6 | 22,600 | 44.5 | 210.3 | 21,100 | 47.9 | 214.1 | 19,700 | 160 |
| 165 | 33.7 | 189.7 | 22,900 | 38.1 | 198.5 | 21,500 | 42.1 | 204.9 | 20,100 | 45.6 | 209.3 | 18,700 | 165 |
| 170 | 30.5 | 181.6 | 21,900 | 35.3 | 191.7 | 20,500 | 39.4 | 199.0 | 19,100 | 43.1 | 204.1 | 17,700 | 170 |
| 175 | 26.9 | 172.3 | 20,900 | 32.2 | 184.0 | 19,500 | 36.7 | 192.5 | 18,200 | 40.6 | 198.4 | 16,900 | 175 |
| 180 | 22.9 | 161.3 | 19,900 | 28.8 | 175.4 | 18,600 | 33.7 | 185.3 | 17,300 | 37.9 | 192.2 | 16,100 | 180 |
| 183 | 19.0 | 153.0 | 19,400 | 26.2 | 169.4 | 18,100 | 31.2 | 180.4 | 16,800 | 35.8 | 188.1 | 15,600 | 183 |
| 185 | 17.9 | 147.5 | 19,000 | 25.1 | 165.4 | 17,700 | 30.5 | 177.2 | 16,500 | 35.0 | 185.4 | 15,300 | 185 |
| 188 | 12.8 | 135.4 | 18,500 | 22.0 | 158.1 | 17,200 | 27.6 | 171.6 | 16,000 | 32.6 | 180.7 | 14,800 | 188 |
| 190 | 10.9 | 127.4 | 18,100 | 20.7 | 153.3 | 16,900 | 27.0 | 167.9 | 15,700 | 32.0 | 177.7 | 14,500 | 190 |
| 192 | 6.2  | 113.4 | 17,700 | 18.0 | 146.9 | 16,600 | 24.4 | 163.5 | 15,400 | 29.8 | 174.2 | 14,300 | 192 |
| 195 |      |       |        | 15.0 | 137.3 | 16,100 | 22.9 | 157.0 | 15,000 | 28.6 | 169.0 | 13,800 | 195 |
| 200 |      |       |        | 4.7  | 107.2 | 15,300 | 18.0 | 143.2 | 14,300 | 24.8 | 158.8 | 13,200 | 200 |
| 205 |      |       |        |      |       |        | 11.0 | 123.3 | 13,600 | 20.3 | 146.5 | 12,500 | 205 |
| 207 |      |       |        |      |       |        | 6.3  | 109.5 | 13,300 | 17.6 | 139.9 | 12,300 | 207 |
| 210 |      |       |        |      |       |        |      |       |        | 14.5 | 130.1 | 11,900 | 210 |
| 215 |      |       |        |      |       |        |      |       |        | 2.2  | 94.0  | 11,200 | 215 |



184,600 lb  
+  
44,000 lb



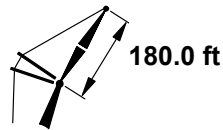
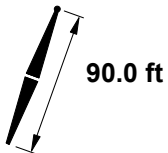
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 56  | 75.7 | 272.2 | 62,100 |      |       |        |      |       |        | 56  |
| 60  | 74.4 | 271.1 | 61,700 |      |       |        |      |       |        | 60  |
| 65  | 72.8 | 269.6 | 61,200 | 73.8 | 270.3 | 70,000 |      |       |        | 65  |
| 70  | 71.1 | 267.9 | 60,600 | 72.1 | 268.7 | 69,500 |      |       |        | 70  |
| 75  | 69.4 | 266.1 | 60,100 | 70.4 | 267.0 | 69,100 |      |       |        | 75  |
| 78  | 67.8 | 264.9 | 59,800 | 68.8 | 265.9 | 68,000 | 71.0 | 267.0 | 66,900 | 78  |
| 80  | 67.7 | 264.1 | 59,500 | 68.7 | 265.1 | 67,300 | 70.3 | 266.3 | 65,200 | 80  |
| 85  | 65.9 | 261.9 | 58,900 | 67.0 | 263.0 | 62,100 | 68.6 | 264.4 | 60,200 | 85  |
| 90  | 64.2 | 259.5 | 57,500 | 65.3 | 260.8 | 57,500 | 66.9 | 262.3 | 55,700 | 90  |
| 92  | 63.2 | 258.5 | 56,300 | 64.2 | 259.8 | 55,900 | 65.6 | 261.4 | 54,200 | 92  |
| 95  | 62.4 | 256.9 | 54,400 | 63.5 | 258.3 | 53,500 | 65.2 | 260.0 | 51,800 | 95  |
| 100 | 60.6 | 254.2 | 51,000 | 61.7 | 255.7 | 49,900 | 63.4 | 257.6 | 48,300 | 100 |
| 105 | 58.7 | 251.2 | 47,700 | 59.9 | 252.8 | 46,700 | 61.6 | 254.9 | 45,200 | 105 |
| 110 | 56.8 | 248.0 | 44,800 | 58.0 | 249.8 | 43,800 | 59.8 | 252.1 | 42,400 | 110 |
| 114 | 54.4 | 245.2 | 42,700 | 56.4 | 247.1 | 41,800 | 57.4 | 249.6 | 40,400 | 114 |
| 115 | 54.9 | 244.5 | 42,100 | 56.1 | 246.5 | 41,200 | 57.9 | 249.0 | 39,900 | 115 |
| 120 | 52.9 | 240.8 | 39,500 | 54.2 | 242.9 | 38,900 | 56.0 | 245.7 | 37,600 | 120 |
| 125 | 50.9 | 236.9 | 37,100 | 52.2 | 239.1 | 36,700 | 54.0 | 242.1 | 35,500 | 125 |
| 130 | 48.8 | 232.6 | 34,900 | 50.1 | 235.1 | 34,700 | 52.0 | 238.3 | 33,500 | 130 |
| 135 | 46.6 | 228.0 | 32,900 | 48.0 | 230.6 | 32,900 | 50.0 | 234.2 | 31,700 | 135 |
| 140 | 44.4 | 223.0 | 31,100 | 45.8 | 225.9 | 31,200 | 47.8 | 229.8 | 30,100 | 140 |
| 145 | 42.0 | 217.6 | 29,300 | 43.5 | 220.8 | 29,600 | 45.6 | 225.0 | 28,600 | 145 |
| 150 | 39.6 | 211.7 | 27,700 | 41.1 | 215.2 | 28,200 | 43.3 | 219.8 | 27,200 | 150 |
| 155 | 37.0 | 205.2 | 26,300 | 38.6 | 209.1 | 26,800 | 41.0 | 214.2 | 25,800 | 155 |
| 160 | 34.2 | 198.1 | 24,900 | 36.0 | 202.4 | 25,500 | 38.4 | 208.1 | 24,600 | 160 |
| 165 | 31.2 | 190.2 | 23,600 | 33.1 | 195.1 | 24,300 | 35.8 | 201.4 | 23,400 | 165 |
| 170 | 28.0 | 181.3 | 22,400 | 30.0 | 186.8 | 23,100 | 32.9 | 194.0 | 22,300 | 170 |
| 175 | 24.3 | 170.9 | 21,300 | 26.6 | 177.4 | 21,900 | 29.8 | 185.6 | 21,300 | 175 |
| 180 | 20.0 | 158.3 | 20,200 | 22.8 | 166.3 | 20,800 | 26.4 | 176.1 | 20,300 | 180 |
| 185 | 14.5 | 141.8 | 18,200 | 18.1 | 152.6 | 19,800 | 22.5 | 164.9 | 19,400 | 185 |
| 190 | 4.2  | 110.0 | 13,100 | 11.8 | 133.3 | 17,500 | 17.8 | 151.0 | 18,500 | 190 |
| 193 |      |       |        | 4.8  | 111.6 | 14,100 | 13.4 | 139.0 | 18,000 | 193 |
| 195 |      |       |        |      |       |        | 11.2 | 131.1 | 17,700 | 195 |
| 198 |      |       |        |      |       |        | 3.2  | 105.9 | 14,500 | 198 |
| 200 |      |       |        |      |       |        |      |       |        | 200 |
| 202 |      |       |        |      |       |        |      |       |        | 202 |
| 205 |      |       |        |      |       |        |      |       |        | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 210 |
| 215 |      |       |        |      |       |        |      |       |        | 215 |
| 217 |      |       |        |      |       |        |      |       |        | 217 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 225 |      |       |        |      |       |        |      |       |        | 225 |

# MLC250 S-2

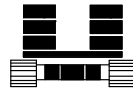
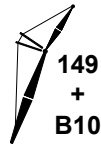
ASME B30.5



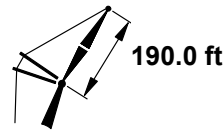
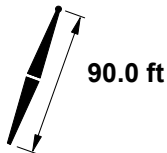
184,600 lb  
+  
44,000 lb

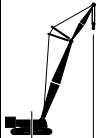
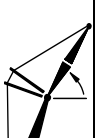
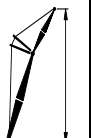
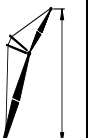
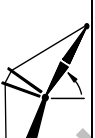


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 92  | 67.8 | 262.6 | 52,400 |      |       |        |      |       |        |      |       |        | 92  |
| 95  | 66.8 | 261.3 | 50,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.0 | 259.1 | 46,800 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.3 | 256.6 | 43,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.5 | 253.9 | 41,000 |      |       |        |      |       |        |      |       |        | 110 |
| 114 | 59.4 | 251.6 | 39,000 | 62.8 | 254.0 | 36,800 |      |       |        |      |       |        | 114 |
| 115 | 59.6 | 251.1 | 38,500 | 62.4 | 253.5 | 36,300 |      |       |        |      |       |        | 115 |
| 120 | 57.8 | 248.0 | 36,300 | 60.6 | 250.7 | 34,200 |      |       |        |      |       |        | 120 |
| 125 | 55.8 | 244.6 | 34,200 | 58.7 | 247.7 | 32,200 |      |       |        |      |       |        | 125 |
| 130 | 53.9 | 241.1 | 32,400 | 56.8 | 244.5 | 30,400 |      |       |        |      |       |        | 130 |
| 135 | 51.9 | 237.2 | 30,600 | 54.9 | 241.1 | 28,800 | 57.8 | 243.6 | 26,900 |      |       |        | 135 |
| 140 | 49.8 | 233.1 | 29,000 | 52.9 | 237.4 | 27,200 | 55.9 | 240.2 | 25,500 |      |       |        | 140 |
| 145 | 47.7 | 228.6 | 27,500 | 50.9 | 233.4 | 25,800 | 53.9 | 236.7 | 24,100 |      |       |        | 145 |
| 150 | 45.5 | 223.8 | 26,100 | 48.8 | 229.1 | 24,500 | 51.9 | 232.8 | 22,900 |      |       |        | 150 |
| 155 | 43.2 | 218.6 | 24,900 | 46.6 | 224.5 | 23,300 | 49.8 | 228.7 | 21,700 | 52.8 | 231.3 | 20,200 | 155 |
| 160 | 40.8 | 213.0 | 23,700 | 44.4 | 219.5 | 22,100 | 47.7 | 224.2 | 20,600 | 50.7 | 227.3 | 19,100 | 160 |
| 165 | 38.3 | 206.9 | 22,500 | 42.1 | 214.1 | 21,000 | 45.5 | 219.5 | 19,600 | 48.6 | 223.0 | 18,100 | 165 |
| 170 | 35.6 | 200.1 | 21,500 | 39.6 | 208.3 | 20,000 | 43.2 | 214.3 | 18,600 | 46.5 | 218.4 | 17,200 | 170 |
| 175 | 32.7 | 192.6 | 20,500 | 37.0 | 201.8 | 19,100 | 40.8 | 208.6 | 17,700 | 44.2 | 213.4 | 16,400 | 175 |
| 180 | 29.6 | 184.2 | 19,500 | 34.2 | 194.7 | 18,200 | 38.3 | 202.5 | 16,800 | 41.9 | 208.0 | 15,600 | 180 |
| 185 | 26.1 | 174.6 | 18,600 | 31.3 | 186.8 | 17,300 | 35.6 | 195.7 | 16,000 | 39.4 | 202.0 | 14,800 | 185 |
| 190 | 22.2 | 163.2 | 17,800 | 28.0 | 177.9 | 16,500 | 32.7 | 188.3 | 15,300 | 36.8 | 195.6 | 14,100 | 190 |
| 193 | 19.0 | 154.7 | 17,300 | 25.6 | 171.7 | 16,000 | 30.2 | 183.2 | 14,800 | 34.8 | 191.3 | 13,600 | 193 |
| 195 | 17.4 | 149.0 | 16,900 | 24.3 | 167.5 | 15,700 | 29.6 | 179.9 | 14,500 | 34.0 | 188.4 | 13,400 | 195 |
| 198 | 12.8 | 136.6 | 16,500 | 21.6 | 160.0 | 15,300 | 27.2 | 174.1 | 14,100 | 32.2 | 183.6 | 13,000 | 198 |
| 200 | 10.6 | 128.3 | 16,100 | 20.1 | 155.0 | 15,000 | 26.2 | 170.2 | 13,800 | 31.0 | 180.5 | 12,700 | 200 |
| 202 | 6.0  | 113.9 | 15,800 | 17.6 | 148.5 | 14,700 | 24.4 | 165.7 | 13,600 | 29.4 | 176.8 | 12,400 | 202 |
| 205 |      |       |        | 14.6 | 138.6 | 14,300 | 22.2 | 158.9 | 13,200 | 27.7 | 171.4 | 12,100 | 205 |
| 210 |      |       |        | 4.6  | 107.6 | 13,500 | 17.5 | 144.7 | 12,500 | 24.0 | 160.9 | 11,500 | 210 |
| 215 |      |       |        |      |       |        | 10.7 | 124.2 | 11,900 | 19.7 | 148.2 | 10,900 | 215 |
| 217 |      |       |        |      |       |        | 6.2  | 110.0 | 11,600 | 17.0 | 141.4 | 10,700 | 217 |
| 220 |      |       |        |      |       |        |      |       |        | 14.1 | 131.3 | 10,300 | 220 |
| 225 |      |       |        |      |       |        |      |       |        | 2.1  | 94.2  | 9,700  | 225 |



184,600 lb  
+  
44,000 lb



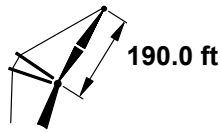
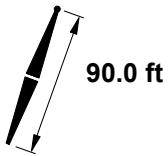
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 58                                                                                | 75.9                                                                                  | 282.0                                                                             | 55,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 58                                                                                  |
| 60                                                                                | 75.3                                                                                  | 281.5                                                                             | 55,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 73.7                                                                                  | 280.0                                                                             | 55,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 68                                                                                | 72.4                                                                                  | 279.1                                                                             | 54,900                                                                            | 73.7                                                                                  | 279.8                                                                             | 62,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 68                                                                                  |
| 70                                                                                | 72.1                                                                                  | 278.5                                                                             | 54,700                                                                            | 73.1                                                                                  | 279.2                                                                             | 62,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 70.5                                                                                  | 276.7                                                                             | 54,100                                                                            | 71.5                                                                                  | 277.6                                                                             | 62,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 68.9                                                                                  | 274.8                                                                             | 53,700                                                                            | 69.9                                                                                  | 275.8                                                                             | 61,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 82                                                                                | 67.6                                                                                  | 274.0                                                                             | 53,500                                                                            | 68.6                                                                                  | 275.0                                                                             | 61,400                                                                            | 70.8                                                                                    | 276.2                                                                               | 59,800                                                                              | 82                                                                                  |
| 85                                                                                | 67.3                                                                                  | 272.8                                                                             | 53,200                                                                            | 68.3                                                                                  | 273.9                                                                             | 61,100                                                                            | 69.8                                                                                    | 275.1                                                                               | 59,700                                                                              | 85                                                                                  |
| 90                                                                                | 65.6                                                                                  | 270.6                                                                             | 52,700                                                                            | 66.7                                                                                  | 271.7                                                                             | 57,300                                                                            | 68.2                                                                                    | 273.2                                                                               | 55,500                                                                              | 90                                                                                  |
| 95                                                                                | 64.0                                                                                  | 268.2                                                                             | 52,300                                                                            | 65.0                                                                                  | 269.5                                                                             | 53,300                                                                            | 66.6                                                                                    | 271.0                                                                               | 51,600                                                                              | 95                                                                                  |
| 96                                                                                | 62.8                                                                                  | 267.7                                                                             | 51,800                                                                            | 64.6                                                                                  | 269.0                                                                             | 52,600                                                                            | 65.6                                                                                    | 270.6                                                                               | 50,900                                                                              | 96                                                                                  |
| 100                                                                               | 62.3                                                                                  | 265.6                                                                             | 49,700                                                                            | 63.3                                                                                  | 267.0                                                                             | 49,700                                                                            | 64.9                                                                                    | 268.7                                                                               | 48,100                                                                              | 100                                                                                 |
| 105                                                                               | 60.5                                                                                  | 262.8                                                                             | 47,200                                                                            | 61.6                                                                                  | 264.3                                                                             | 46,500                                                                            | 63.2                                                                                    | 266.3                                                                               | 45,000                                                                              | 105                                                                                 |
| 110                                                                               | 58.8                                                                                  | 259.9                                                                             | 44,600                                                                            | 59.9                                                                                  | 261.5                                                                             | 43,600                                                                            | 61.5                                                                                    | 263.6                                                                               | 42,200                                                                              | 110                                                                                 |
| 115                                                                               | 57.0                                                                                  | 256.7                                                                             | 41,900                                                                            | 58.1                                                                                  | 258.4                                                                             | 41,000                                                                            | 59.8                                                                                    | 260.7                                                                               | 39,700                                                                              | 115                                                                                 |
| 118                                                                               | 55.4                                                                                  | 254.6                                                                             | 40,300                                                                            | 56.8                                                                                  | 256.5                                                                             | 39,600                                                                            | 57.8                                                                                    | 258.9                                                                               | 38,300                                                                              | 118                                                                                 |
| 120                                                                               | 55.2                                                                                  | 253.3                                                                             | 39,300                                                                            | 56.3                                                                                  | 255.2                                                                             | 38,700                                                                            | 58.0                                                                                    | 257.7                                                                               | 37,400                                                                              | 120                                                                                 |
| 125                                                                               | 53.3                                                                                  | 249.6                                                                             | 36,800                                                                            | 54.5                                                                                  | 251.7                                                                             | 36,500                                                                            | 56.2                                                                                    | 254.4                                                                               | 35,200                                                                              | 125                                                                                 |
| 130                                                                               | 51.4                                                                                  | 245.7                                                                             | 34,600                                                                            | 52.6                                                                                  | 247.9                                                                             | 34,500                                                                            | 54.4                                                                                    | 250.9                                                                               | 33,300                                                                              | 130                                                                                 |
| 135                                                                               | 49.4                                                                                  | 241.5                                                                             | 32,600                                                                            | 50.7                                                                                  | 243.9                                                                             | 32,700                                                                            | 52.5                                                                                    | 247.1                                                                               | 31,500                                                                              | 135                                                                                 |
| 140                                                                               | 47.4                                                                                  | 237.0                                                                             | 30,800                                                                            | 48.7                                                                                  | 239.6                                                                             | 31,000                                                                            | 50.5                                                                                    | 243.1                                                                               | 29,900                                                                              | 140                                                                                 |
| 145                                                                               | 45.3                                                                                  | 232.1                                                                             | 29,000                                                                            | 46.6                                                                                  | 235.0                                                                             | 29,400                                                                            | 48.5                                                                                    | 238.7                                                                               | 28,400                                                                              | 145                                                                                 |
| 150                                                                               | 43.1                                                                                  | 226.9                                                                             | 27,400                                                                            | 44.5                                                                                  | 230.0                                                                             | 28,000                                                                            | 46.5                                                                                    | 234.1                                                                               | 26,900                                                                              | 150                                                                                 |
| 155                                                                               | 40.8                                                                                  | 221.3                                                                             | 26,000                                                                            | 42.3                                                                                  | 224.6                                                                             | 26,600                                                                            | 44.3                                                                                    | 229.1                                                                               | 25,600                                                                              | 155                                                                                 |
| 160                                                                               | 38.5                                                                                  | 215.2                                                                             | 24,600                                                                            | 40.0                                                                                  | 218.8                                                                             | 25,300                                                                            | 42.1                                                                                    | 223.7                                                                               | 24,400                                                                              | 160                                                                                 |
| 161                                                                               | 37.4                                                                                  | 213.8                                                                             | 24,300                                                                            | 38.6                                                                                  | 217.6                                                                             | 25,100                                                                            | 41.4                                                                                    | 222.5                                                                               | 24,200                                                                              | 161                                                                                 |
| 165                                                                               | 35.9                                                                                  | 208.5                                                                             | 23,300                                                                            | 37.5                                                                                  | 212.5                                                                             | 24,100                                                                            | 39.8                                                                                    | 217.9                                                                               | 23,200                                                                              | 165                                                                                 |
| 170                                                                               | 33.3                                                                                  | 201.1                                                                             | 22,100                                                                            | 35.0                                                                                  | 205.6                                                                             | 22,800                                                                            | 37.4                                                                                    | 211.5                                                                               | 22,100                                                                              | 170                                                                                 |
| 175                                                                               | 30.4                                                                                  | 192.9                                                                             | 21,000                                                                            | 32.2                                                                                  | 197.9                                                                             | 21,600                                                                            | 34.8                                                                                    | 204.6                                                                               | 21,100                                                                              | 175                                                                                 |
| 180                                                                               | 27.2                                                                                  | 183.7                                                                             | 19,900                                                                            | 29.2                                                                                  | 189.4                                                                             | 20,500                                                                            | 32.0                                                                                    | 196.9                                                                               | 20,200                                                                              | 180                                                                                 |
| 185                                                                               | 23.6                                                                                  | 173.0                                                                             | 18,900                                                                            | 25.9                                                                                  | 179.6                                                                             | 19,500                                                                            | 29.0                                                                                    | 188.2                                                                               | 19,200                                                                              | 185                                                                                 |
| 190                                                                               | 19.4                                                                                  | 160.0                                                                             | 18,000                                                                            | 22.1                                                                                  | 168.2                                                                             | 18,500                                                                            | 25.7                                                                                    | 178.4                                                                               | 18,400                                                                              | 190                                                                                 |
| 195                                                                               | 14.1                                                                                  | 143.0                                                                             | 16,100                                                                            | 17.6                                                                                  | 154.1                                                                             | 17,600                                                                            | 21.9                                                                                    | 166.8                                                                               | 17,500                                                                              | 195                                                                                 |
| 200                                                                               | 4.1                                                                                   | 110.3                                                                             | 11,400                                                                            | 11.5                                                                                  | 134.3                                                                             | 15,400                                                                            | 17.3                                                                                    | 152.5                                                                               | 16,700                                                                              | 200                                                                                 |
| 203                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.7                                                                                   | 112.0                                                                             | 12,300                                                                            | 12.8                                                                                    | 140.2                                                                               | 16,300                                                                              | 203                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.9                                                                                    | 132.0                                                                               | 16,000                                                                              | 205                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                     | 106.1                                                                               | 12,700                                                                              | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 212                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 212                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 227                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 227                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 235                                                                                 |

# MLC250 S-2

ASME B30.5



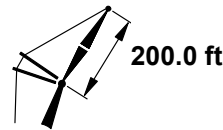
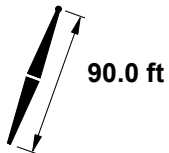
184,600 lb  
+  
44,000 lb

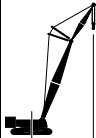
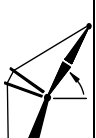
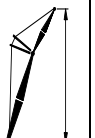
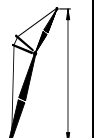
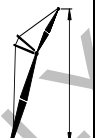
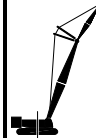


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  |      |       |        |      |       |        |      |       |        |      |       |        | 82  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 96  | 67.7 | 271.8 | 49,200 |      |       |        |      |       |        |      |       |        | 96  |
| 100 | 66.4 | 270.1 | 46,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.8 | 267.8 | 43,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 63.1 | 265.3 | 40,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 61.4 | 262.6 | 38,300 |      |       |        |      |       |        |      |       |        | 115 |
| 118 | 59.8 | 260.9 | 37,000 | 63.0 | 263.2 | 34,800 |      |       |        |      |       |        | 118 |
| 120 | 59.6 | 259.7 | 36,100 | 62.3 | 262.1 | 33,900 |      |       |        |      |       |        | 120 |
| 125 | 57.9 | 256.6 | 34,000 | 60.6 | 259.4 | 32,000 |      |       |        |      |       |        | 125 |
| 130 | 56.1 | 253.3 | 32,100 | 58.8 | 256.4 | 30,200 |      |       |        |      |       |        | 130 |
| 135 | 54.2 | 249.8 | 30,400 | 57.0 | 253.2 | 28,500 |      |       |        |      |       |        | 135 |
| 140 | 52.3 | 246.0 | 28,800 | 55.2 | 249.8 | 27,000 | 57.9 | 252.2 | 25,200 |      |       |        | 140 |
| 145 | 50.4 | 242.0 | 27,300 | 53.3 | 246.1 | 25,600 | 56.1 | 248.9 | 23,900 |      |       |        | 145 |
| 150 | 48.4 | 237.6 | 25,900 | 51.4 | 242.2 | 24,300 | 54.2 | 245.4 | 22,600 |      |       |        | 150 |
| 155 | 46.3 | 232.9 | 24,700 | 49.4 | 238.0 | 23,000 | 52.3 | 241.6 | 21,500 |      |       |        | 155 |
| 160 | 44.2 | 227.9 | 23,500 | 47.4 | 233.5 | 21,900 | 50.4 | 237.6 | 20,400 |      |       |        | 160 |
| 161 | 43.4 | 226.8 | 23,200 | 46.6 | 232.6 | 21,700 | 49.6 | 236.7 | 20,200 | 52.8 | 239.3 | 18,700 | 161 |
| 165 | 42.0 | 222.5 | 22,300 | 45.3 | 228.7 | 20,800 | 48.4 | 233.2 | 19,400 | 51.3 | 236.2 | 17,900 | 165 |
| 170 | 39.6 | 216.6 | 21,300 | 43.1 | 223.5 | 19,800 | 46.3 | 228.6 | 18,400 | 49.3 | 232.0 | 17,000 | 170 |
| 175 | 37.2 | 210.2 | 20,300 | 40.9 | 217.9 | 18,900 | 44.2 | 223.5 | 17,500 | 47.3 | 227.4 | 16,200 | 175 |
| 180 | 34.6 | 203.2 | 19,300 | 38.5 | 211.8 | 18,000 | 42.0 | 218.1 | 16,600 | 45.2 | 222.6 | 15,300 | 180 |
| 185 | 31.8 | 195.5 | 18,400 | 36.0 | 205.1 | 17,100 | 39.7 | 212.2 | 15,800 | 43.0 | 217.3 | 14,600 | 185 |
| 190 | 28.8 | 186.8 | 17,600 | 33.3 | 197.7 | 16,300 | 37.2 | 205.9 | 15,100 | 40.7 | 211.7 | 13,800 | 190 |
| 195 | 25.4 | 176.8 | 16,800 | 30.4 | 189.6 | 15,600 | 34.6 | 198.9 | 14,300 | 38.3 | 205.5 | 13,200 | 195 |
| 200 | 21.6 | 165.1 | 16,000 | 27.2 | 180.3 | 14,800 | 31.8 | 191.1 | 13,700 | 35.8 | 198.8 | 12,500 | 200 |
| 203 | 18.0 | 156.3 | 15,600 | 24.6 | 173.9 | 14,400 | 29.2 | 185.9 | 13,300 | 33.8 | 194.4 | 12,100 | 203 |
| 205 | 16.9 | 150.5 | 15,300 | 23.7 | 169.6 | 14,100 | 28.8 | 182.4 | 13,000 | 33.1 | 191.4 | 11,900 | 205 |
| 208 | 12.4 | 137.7 | 14,900 | 20.6 | 161.9 | 13,700 | 26.2 | 176.5 | 12,600 | 31.2 | 186.4 | 11,500 | 208 |
| 210 | 10.3 | 129.2 | 14,600 | 19.5 | 156.7 | 13,500 | 25.5 | 172.5 | 12,400 | 30.2 | 183.2 | 11,300 | 210 |
| 212 | 5.8  | 114.4 | 14,300 | 16.0 | 147.0 | 13,200 | 23.2 | 167.2 | 12,100 | 28.6 | 179.1 | 11,100 | 212 |
| 220 |      |       |        | 4.4  | 107.9 | 12,200 | 17.0 | 146.2 | 11,200 | 23.4 | 163.0 | 10,200 | 220 |
| 227 |      |       |        |      |       |        | 6.0  | 110.5 | 10,400 | 16.0 | 141.6 | 9,400  | 227 |
| 230 |      |       |        |      |       |        |      |       |        | 13.7 | 132.4 | 9,100  | 230 |
| 235 |      |       |        |      |       |        |      |       |        | 2.0  | 94.3  | 8,500  | 235 |



184,600 lb  
+  
44,000 lb



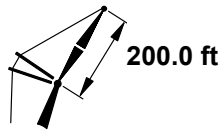
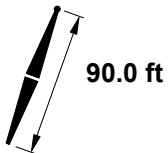
|     |  88° |                                                                                     |                                                                                      |  86° |                                                                                     |                                                                                      |  83° |                                                                                      |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ° |  ft |  lb  |  ° |  ft |  lb    |  ° |  ft |  lb |  ft |
| 60  | 76.0                                                                                  | 291.8                                                                               | 49,900                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 60                                                                                     |
| 65  | 74.5                                                                                  | 290.5                                                                               | 49,400                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 65                                                                                     |
| 70  | 73.0                                                                                  | 289.0                                                                               | 48,900                                                                               | 74.0                                                                                  | 289.7                                                                               | 56,000                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 70                                                                                     |
| 75  | 71.5                                                                                  | 287.3                                                                               | 48,400                                                                               | 72.5                                                                                  | 288.1                                                                               | 55,400                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 75                                                                                     |
| 80  | 70.0                                                                                  | 285.6                                                                               | 47,900                                                                               | 71.0                                                                                  | 286.4                                                                               | 54,900                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 80                                                                                     |
| 85  | 68.5                                                                                  | 283.6                                                                               | 47,400                                                                               | 69.4                                                                                  | 284.6                                                                               | 54,400                                                                               | 70.9                                                                                    | 285.8                                                                                | 53,100                                                                                 |                                                                                        | 85                                                                                     |
| 90  | 66.9                                                                                  | 281.5                                                                               | 46,900                                                                               | 67.9                                                                                  | 282.6                                                                               | 53,900                                                                               | 69.3                                                                                    | 283.9                                                                                | 52,800                                                                                 |                                                                                        | 90                                                                                     |
| 95  | 65.3                                                                                  | 279.3                                                                               | 46,500                                                                               | 66.3                                                                                  | 280.5                                                                               | 52,900                                                                               | 67.8                                                                                    | 281.9                                                                                | 51,200                                                                                 |                                                                                        | 95                                                                                     |
| 99  | 63.4                                                                                  | 277.3                                                                               | 46,100                                                                               | 64.4                                                                                  | 278.6                                                                               | 50,000                                                                               | 66.2                                                                                    | 280.2                                                                                | 48,400                                                                                 |                                                                                        | 99                                                                                     |
| 100 | 63.8                                                                                  | 276.9                                                                               | 46,000                                                                               | 64.8                                                                                  | 278.2                                                                               | 49,300                                                                               | 66.2                                                                                    | 279.8                                                                                | 47,700                                                                                 |                                                                                        | 100                                                                                    |
| 105 | 62.1                                                                                  | 274.3                                                                               | 45,600                                                                               | 63.2                                                                                  | 275.7                                                                               | 46,100                                                                               | 64.7                                                                                    | 277.4                                                                                | 44,600                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 60.5                                                                                  | 271.5                                                                               | 43,600                                                                               | 61.5                                                                                  | 273.0                                                                               | 43,200                                                                               | 63.1                                                                                    | 274.9                                                                                | 41,800                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 58.8                                                                                  | 268.5                                                                               | 41,500                                                                               | 59.9                                                                                  | 270.2                                                                               | 40,600                                                                               | 61.4                                                                                    | 272.3                                                                                | 39,200                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 57.1                                                                                  | 265.3                                                                               | 39,100                                                                               | 58.2                                                                                  | 267.1                                                                               | 38,300                                                                               | 59.8                                                                                    | 269.4                                                                                | 36,900                                                                                 |                                                                                        | 120                                                                                    |
| 123 | 55.8                                                                                  | 263.3                                                                               | 37,700                                                                               | 56.8                                                                                  | 265.2                                                                               | 37,000                                                                               | 58.4                                                                                    | 267.6                                                                                | 35,700                                                                                 |                                                                                        | 123                                                                                    |
| 125 | 55.4                                                                                  | 262.0                                                                               | 36,700                                                                               | 56.5                                                                                  | 263.9                                                                               | 36,100                                                                               | 58.1                                                                                    | 266.3                                                                                | 34,800                                                                                 |                                                                                        | 125                                                                                    |
| 130 | 53.6                                                                                  | 258.4                                                                               | 34,500                                                                               | 54.8                                                                                  | 260.4                                                                               | 34,100                                                                               | 56.4                                                                                    | 263.1                                                                                | 32,900                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 51.8                                                                                  | 254.5                                                                               | 32,400                                                                               | 53.0                                                                                  | 256.7                                                                               | 32,300                                                                               | 54.6                                                                                    | 259.6                                                                                | 31,100                                                                                 |                                                                                        | 135                                                                                    |
| 140 | 50.0                                                                                  | 250.4                                                                               | 30,500                                                                               | 51.1                                                                                  | 252.7                                                                               | 30,600                                                                               | 52.9                                                                                    | 255.9                                                                                | 29,500                                                                                 |                                                                                        | 140                                                                                    |
| 145 | 48.1                                                                                  | 246.0                                                                               | 28,800                                                                               | 49.3                                                                                  | 248.5                                                                               | 29,000                                                                               | 51.0                                                                                    | 251.9                                                                                | 28,000                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 46.1                                                                                  | 241.3                                                                               | 27,200                                                                               | 47.3                                                                                  | 244.0                                                                               | 27,600                                                                               | 49.2                                                                                    | 247.7                                                                                | 26,500                                                                                 |                                                                                        | 150                                                                                    |
| 155 | 44.1                                                                                  | 236.2                                                                               | 25,600                                                                               | 45.4                                                                                  | 239.2                                                                               | 26,200                                                                               | 47.2                                                                                    | 243.1                                                                                | 25,200                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 42.0                                                                                  | 230.8                                                                               | 24,200                                                                               | 43.3                                                                                  | 234.0                                                                               | 24,900                                                                               | 45.2                                                                                    | 238.3                                                                                | 24,000                                                                                 |                                                                                        | 160                                                                                    |
| 165 | 39.7                                                                                  | 224.9                                                                               | 22,900                                                                               | 41.1                                                                                  | 228.4                                                                               | 23,700                                                                               | 43.2                                                                                    | 233.1                                                                                | 22,800                                                                                 |                                                                                        | 165                                                                                    |
| 167 | 38.2                                                                                  | 222.4                                                                               | 22,400                                                                               | 39.8                                                                                  | 226.0                                                                               | 23,200                                                                               | 42.2                                                                                    | 230.8                                                                                | 22,400                                                                                 |                                                                                        | 167                                                                                    |
| 170 | 37.4                                                                                  | 218.6                                                                               | 21,700                                                                               | 38.9                                                                                  | 222.4                                                                               | 22,400                                                                               | 41.0                                                                                    | 227.5                                                                                | 21,700                                                                                 |                                                                                        | 170                                                                                    |
| 175 | 35.0                                                                                  | 211.7                                                                               | 20,600                                                                               | 36.5                                                                                  | 215.8                                                                               | 21,300                                                                               | 38.7                                                                                    | 221.4                                                                                | 20,700                                                                                 |                                                                                        | 175                                                                                    |
| 180 | 32.4                                                                                  | 204.0                                                                               | 19,500                                                                               | 34.0                                                                                  | 208.7                                                                               | 20,100                                                                               | 36.4                                                                                    | 214.8                                                                                | 19,800                                                                                 |                                                                                        | 180                                                                                    |
| 185 | 29.6                                                                                  | 195.6                                                                               | 18,500                                                                               | 31.4                                                                                  | 200.8                                                                               | 19,100                                                                               | 33.9                                                                                    | 207.6                                                                                | 18,900                                                                                 |                                                                                        | 185                                                                                    |
| 190 | 26.5                                                                                  | 186.0                                                                               | 17,500                                                                               | 28.4                                                                                  | 191.9                                                                               | 18,100                                                                               | 31.2                                                                                    | 199.6                                                                                | 18,000                                                                                 |                                                                                        | 190                                                                                    |
| 195 | 23.0                                                                                  | 175.0                                                                               | 16,600                                                                               | 25.2                                                                                  | 181.9                                                                               | 17,200                                                                               | 28.2                                                                                    | 190.8                                                                                | 17,200                                                                                 |                                                                                        | 195                                                                                    |
| 200 | 18.9                                                                                  | 161.7                                                                               | 15,800                                                                               | 21.6                                                                                  | 170.1                                                                               | 16,300                                                                               | 25.0                                                                                    | 180.6                                                                                | 16,400                                                                                 |                                                                                        | 200                                                                                    |
| 205 | 13.7                                                                                  | 144.2                                                                               | 13,900                                                                               | 17.2                                                                                  | 155.6                                                                               | 15,400                                                                               | 21.3                                                                                    | 168.7                                                                                | 15,600                                                                                 |                                                                                        | 205                                                                                    |
| 210 | 4.0                                                                                   | 110.6                                                                               | 9,600                                                                                | 11.2                                                                                  | 135.2                                                                               | 13,400                                                                               | 16.8                                                                                    | 153.9                                                                                | 14,900                                                                                 |                                                                                        | 210                                                                                    |
| 213 |                                                                                       |                                                                                     |                                                                                      | 4.5                                                                                   | 112.3                                                                               | 10,500                                                                               | 12.4                                                                                    | 141.3                                                                                | 14,400                                                                                 |                                                                                        | 213                                                                                    |
| 215 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 10.6                                                                                    | 132.9                                                                                | 14,100                                                                                 |                                                                                        | 215                                                                                    |
| 218 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 3.0                                                                                     | 106.3                                                                                | 10,900                                                                                 |                                                                                        | 218                                                                                    |
| 220 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 220                                                                                    |
| 222 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 222                                                                                    |
| 225 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 225                                                                                    |
| 230 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 230                                                                                    |
| 237 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 237                                                                                    |
| 240 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 240                                                                                    |
| 245 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 245                                                                                    |

# MLC250 S-2

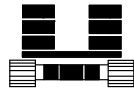
ASME B30.5



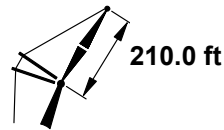
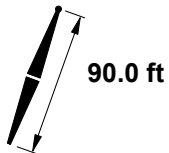
184,600 lb  
+  
44,000 lb

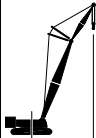
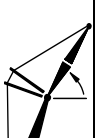
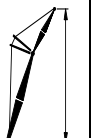
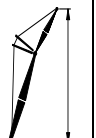
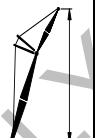
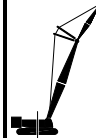


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 68.0 | 281.4 | 46,700 |      |       |        |      |       |        |      |       |        | 99  |
| 100 | 67.7 | 281.0 | 46,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 66.1 | 278.8 | 43,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.5 | 276.4 | 40,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.9 | 273.9 | 37,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 61.3 | 271.3 | 35,600 |      |       |        |      |       |        |      |       |        | 120 |
| 123 | 59.8 | 269.5 | 34,400 | 62.8 | 271.8 | 32,300 |      |       |        |      |       |        | 123 |
| 125 | 59.7 | 268.4 | 33,600 | 62.2 | 270.8 | 31,500 |      |       |        |      |       |        | 125 |
| 130 | 58.0 | 265.3 | 31,700 | 60.5 | 268.0 | 29,700 |      |       |        |      |       |        | 130 |
| 135 | 56.3 | 262.0 | 30,000 | 58.9 | 265.1 | 28,100 |      |       |        |      |       |        | 135 |
| 140 | 54.5 | 258.5 | 28,400 | 57.2 | 261.9 | 26,500 |      |       |        |      |       |        | 140 |
| 145 | 52.7 | 254.8 | 26,900 | 55.4 | 258.5 | 25,100 | 58.0 | 260.9 | 23,400 |      |       |        | 145 |
| 150 | 50.9 | 250.8 | 25,500 | 53.7 | 254.9 | 23,800 | 56.3 | 257.6 | 22,100 |      |       |        | 150 |
| 155 | 49.0 | 246.6 | 24,200 | 51.9 | 251.0 | 22,600 | 54.5 | 254.1 | 21,000 |      |       |        | 155 |
| 160 | 47.1 | 242.0 | 23,000 | 50.0 | 246.9 | 21,400 | 52.7 | 250.4 | 19,900 |      |       |        | 160 |
| 165 | 45.1 | 237.1 | 21,900 | 48.1 | 242.5 | 20,400 | 50.9 | 246.4 | 18,900 |      |       |        | 165 |
| 167 | 44.2 | 235.0 | 21,500 | 47.2 | 240.6 | 20,000 | 49.6 | 244.7 | 18,500 | 52.8 | 247.3 | 17,000 | 167 |
| 170 | 43.0 | 231.9 | 20,800 | 46.1 | 237.8 | 19,400 | 49.0 | 242.2 | 17,900 | 51.7 | 245.0 | 16,500 | 170 |
| 175 | 40.8 | 226.2 | 19,900 | 44.1 | 232.8 | 18,400 | 47.1 | 237.6 | 17,000 | 49.9 | 240.9 | 15,600 | 175 |
| 180 | 38.6 | 220.1 | 18,900 | 42.0 | 227.4 | 17,500 | 45.1 | 232.7 | 16,200 | 48.0 | 236.4 | 14,800 | 180 |
| 185 | 36.2 | 213.5 | 18,000 | 39.8 | 221.5 | 16,700 | 43.0 | 227.5 | 15,400 | 46.0 | 231.7 | 14,100 | 185 |
| 190 | 33.7 | 206.2 | 17,200 | 37.5 | 215.2 | 15,900 | 40.9 | 221.9 | 14,600 | 43.9 | 226.6 | 13,400 | 190 |
| 195 | 31.0 | 198.2 | 16,400 | 35.0 | 208.3 | 15,100 | 38.6 | 215.8 | 13,900 | 41.8 | 221.2 | 12,700 | 195 |
| 200 | 28.0 | 189.3 | 15,600 | 32.4 | 200.7 | 14,400 | 36.2 | 209.1 | 13,200 | 39.6 | 215.3 | 12,000 | 200 |
| 205 | 24.8 | 179.0 | 14,900 | 29.6 | 192.2 | 13,700 | 33.7 | 201.9 | 12,600 | 37.3 | 208.9 | 11,400 | 205 |
| 210 | 21.0 | 167.0 | 14,200 | 26.5 | 182.7 | 13,100 | 31.0 | 193.9 | 11,900 | 34.8 | 201.9 | 10,800 | 210 |
| 213 | 18.0 | 157.9 | 13,800 | 24.2 | 176.1 | 12,700 | 29.2 | 188.5 | 11,600 | 32.8 | 197.3 | 10,500 | 213 |
| 215 | 16.5 | 151.9 | 13,600 | 23.1 | 171.7 | 12,400 | 28.1 | 184.9 | 11,300 | 32.2 | 194.3 | 10,300 | 215 |
| 218 | 12.4 | 138.8 | 13,200 | 20.0 | 163.7 | 12,100 | 25.6 | 178.8 | 11,000 | 30.2 | 189.2 | 9,900  | 218 |
| 220 | 10.1 | 130.1 | 12,900 | 19.0 | 158.4 | 11,800 | 24.8 | 174.7 | 10,800 | 29.4 | 185.8 | 9,700  | 220 |
| 222 | 5.7  | 114.8 | 12,600 | 16.0 | 151.4 | 11,600 | 22.8 | 169.9 | 10,500 | 27.8 | 181.9 | 9,500  | 222 |
| 225 |      |       |        | 13.8 | 141.0 | 11,300 | 21.1 | 162.7 | 10,200 | 26.3 | 176.1 | 9,200  | 225 |
| 230 |      |       |        | 4.3  | 108.3 | 10,600 | 16.5 | 147.6 | 9,700  | 22.8 | 165.0 | 8,700  | 230 |
| 237 |      |       |        |      |       |        | 5.8  | 110.9 | 8,900  | 15.7 | 143.0 | 8,000  | 237 |
| 240 |      |       |        |      |       |        |      |       |        | 13.3 | 133.6 | 7,700  | 240 |
| 245 |      |       |        |      |       |        |      |       |        | 2.0  | 94.4  | 7,200  | 245 |



184,600 lb  
+  
44,000 lb

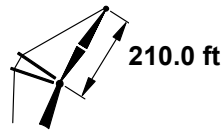
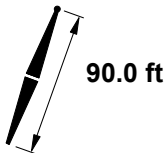


|     |  88° |                                                                                     |                                                                                      |  86° |                                                                                     |                                                                                      |  83° |                                                                                      |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ° |  ft |  lb  |  ° |  ft |  lb    |  ° |  ft |  lb |  ft |
| 63  | 75.8                                                                                  | 301.4                                                                               | 45,000                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 63                                                                                     |
| 65  | 75.3                                                                                  | 300.8                                                                               | 44,800                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 65                                                                                     |
| 70  | 73.9                                                                                  | 299.4                                                                               | 44,300                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 70                                                                                     |
| 73  | 72.4                                                                                  | 298.5                                                                               | 44,000                                                                               | 73.9                                                                                  | 299.2                                                                               | 50,300                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 73                                                                                     |
| 75  | 72.4                                                                                  | 297.9                                                                               | 43,800                                                                               | 73.3                                                                                  | 298.6                                                                               | 50,200                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 75                                                                                     |
| 80  | 71.0                                                                                  | 296.2                                                                               | 43,300                                                                               | 71.9                                                                                  | 297.0                                                                               | 49,600                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 80                                                                                     |
| 85  | 69.5                                                                                  | 294.4                                                                               | 42,800                                                                               | 70.5                                                                                  | 295.3                                                                               | 49,100                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 85                                                                                     |
| 88  | 68.4                                                                                  | 293.2                                                                               | 42,500                                                                               | 69.4                                                                                  | 294.1                                                                               | 48,800                                                                               | 70.9                                                                                    | 295.3                                                                                | 47,700                                                                                 |                                                                                        | 88                                                                                     |
| 90  | 68.1                                                                                  | 292.4                                                                               | 42,300                                                                               | 69.0                                                                                  | 293.4                                                                               | 48,600                                                                               | 70.4                                                                                    | 294.6                                                                                | 47,500                                                                                 |                                                                                        | 90                                                                                     |
| 95  | 66.6                                                                                  | 290.3                                                                               | 41,900                                                                               | 67.5                                                                                  | 291.4                                                                               | 48,100                                                                               | 68.9                                                                                    | 292.7                                                                                | 47,200                                                                                 |                                                                                        | 95                                                                                     |
| 100 | 65.1                                                                                  | 288.0                                                                               | 41,400                                                                               | 66.0                                                                                  | 289.2                                                                               | 47,600                                                                               | 67.4                                                                                    | 290.7                                                                                | 46,800                                                                                 |                                                                                        | 100                                                                                    |
| 103 | 63.8                                                                                  | 286.5                                                                               | 41,200                                                                               | 64.8                                                                                  | 287.8                                                                               | 46,500                                                                               | 65.8                                                                                    | 289.3                                                                                | 45,200                                                                                 |                                                                                        | 103                                                                                    |
| 105 | 63.6                                                                                  | 285.5                                                                               | 41,000                                                                               | 64.5                                                                                  | 286.8                                                                               | 45,800                                                                               | 65.9                                                                                    | 288.5                                                                                | 44,200                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 62.0                                                                                  | 282.9                                                                               | 40,600                                                                               | 63.0                                                                                  | 284.3                                                                               | 42,900                                                                               | 64.4                                                                                    | 286.1                                                                                | 41,400                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 60.5                                                                                  | 280.1                                                                               | 40,100                                                                               | 61.5                                                                                  | 281.7                                                                               | 40,300                                                                               | 62.9                                                                                    | 283.6                                                                                | 38,900                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 58.9                                                                                  | 277.2                                                                               | 38,300                                                                               | 59.9                                                                                  | 278.8                                                                               | 37,900                                                                               | 61.4                                                                                    | 280.9                                                                                | 36,600                                                                                 |                                                                                        | 120                                                                                    |
| 125 | 57.3                                                                                  | 274.0                                                                               | 36,300                                                                               | 58.3                                                                                  | 275.8                                                                               | 35,700                                                                               | 59.8                                                                                    | 278.1                                                                                | 34,500                                                                                 |                                                                                        | 125                                                                                    |
| 127 | 56.2                                                                                  | 272.7                                                                               | 35,400                                                                               | 57.2                                                                                  | 274.5                                                                               | 35,000                                                                               | 58.6                                                                                    | 276.8                                                                                | 33,700                                                                                 |                                                                                        | 127                                                                                    |
| 130 | 55.6                                                                                  | 270.7                                                                               | 34,000                                                                               | 56.7                                                                                  | 272.6                                                                               | 33,800                                                                               | 58.2                                                                                    | 275.0                                                                                | 32,500                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 54.0                                                                                  | 267.1                                                                               | 32,000                                                                               | 55.0                                                                                  | 269.1                                                                               | 31,900                                                                               | 56.6                                                                                    | 271.8                                                                                | 30,800                                                                                 |                                                                                        | 135                                                                                    |
| 140 | 52.2                                                                                  | 263.3                                                                               | 30,100                                                                               | 53.3                                                                                  | 265.5                                                                               | 30,200                                                                               | 54.9                                                                                    | 268.3                                                                                | 29,100                                                                                 |                                                                                        | 140                                                                                    |
| 145 | 50.5                                                                                  | 259.2                                                                               | 28,300                                                                               | 51.6                                                                                  | 261.6                                                                               | 28,700                                                                               | 53.2                                                                                    | 264.6                                                                                | 27,600                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 48.7                                                                                  | 254.9                                                                               | 26,700                                                                               | 49.8                                                                                  | 257.4                                                                               | 27,200                                                                               | 51.5                                                                                    | 260.7                                                                                | 26,200                                                                                 |                                                                                        | 150                                                                                    |
| 151 | 47.6                                                                                  | 254.0                                                                               | 26,400                                                                               | 48.8                                                                                  | 256.5                                                                               | 27,000                                                                               | 50.6                                                                                    | 259.9                                                                                | 25,900                                                                                 |                                                                                        | 151                                                                                    |
| 155 | 46.8                                                                                  | 250.3                                                                               | 25,200                                                                               | 48.0                                                                                  | 253.0                                                                               | 25,900                                                                               | 49.7                                                                                    | 256.6                                                                                | 24,900                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 44.9                                                                                  | 245.4                                                                               | 23,800                                                                               | 46.1                                                                                  | 248.3                                                                               | 24,600                                                                               | 47.9                                                                                    | 252.1                                                                                | 23,600                                                                                 |                                                                                        | 160                                                                                    |
| 165 | 42.9                                                                                  | 240.2                                                                               | 22,500                                                                               | 44.2                                                                                  | 243.3                                                                               | 23,300                                                                               | 46.0                                                                                    | 247.4                                                                                | 22,500                                                                                 |                                                                                        | 165                                                                                    |
| 170 | 40.9                                                                                  | 234.5                                                                               | 21,200                                                                               | 42.2                                                                                  | 237.9                                                                               | 22,000                                                                               | 44.1                                                                                    | 242.4                                                                                | 21,400                                                                                 |                                                                                        | 170                                                                                    |
| 173 | 38.8                                                                                  | 230.9                                                                               | 20,500                                                                               | 40.8                                                                                  | 234.4                                                                               | 21,300                                                                               | 42.8                                                                                    | 239.1                                                                                | 20,800                                                                                 |                                                                                        | 173                                                                                    |
| 175 | 38.7                                                                                  | 228.5                                                                               | 20,100                                                                               | 40.1                                                                                  | 232.1                                                                               | 20,800                                                                               | 42.1                                                                                    | 236.9                                                                                | 20,400                                                                                 |                                                                                        | 175                                                                                    |
| 180 | 36.5                                                                                  | 221.9                                                                               | 19,000                                                                               | 37.9                                                                                  | 225.8                                                                               | 19,700                                                                               | 40.0                                                                                    | 231.1                                                                                | 19,400                                                                                 |                                                                                        | 180                                                                                    |
| 185 | 34.1                                                                                  | 214.7                                                                               | 18,000                                                                               | 35.6                                                                                  | 219.0                                                                               | 18,600                                                                               | 37.8                                                                                    | 224.8                                                                                | 18,500                                                                                 |                                                                                        | 185                                                                                    |
| 190 | 31.6                                                                                  | 206.9                                                                               | 17,000                                                                               | 33.2                                                                                  | 211.6                                                                               | 17,600                                                                               | 35.5                                                                                    | 218.0                                                                                | 17,700                                                                                 |                                                                                        | 190                                                                                    |
| 200 | 25.8                                                                                  | 188.3                                                                               | 15,300                                                                               | 27.7                                                                                  | 194.4                                                                               | 15,800                                                                               | 30.4                                                                                    | 202.4                                                                                | 16,100                                                                                 |                                                                                        | 200                                                                                    |
| 210 | 18.5                                                                                  | 163.3                                                                               | 13,700                                                                               | 21.0                                                                                  | 172.0                                                                               | 14,200                                                                               | 24.4                                                                                    | 182.8                                                                                | 14,600                                                                                 |                                                                                        | 210                                                                                    |
| 220 | 3.9                                                                                   | 110.9                                                                               | 7,900                                                                                | 10.9                                                                                  | 136.1                                                                               | 11,500                                                                               | 16.4                                                                                    | 155.4                                                                                | 13,300                                                                                 |                                                                                        | 220                                                                                    |
| 223 |                                                                                       |                                                                                     |                                                                                      | 4.4                                                                                   | 112.7                                                                               | 8,800                                                                                | 10.8                                                                                    | 137.1                                                                                | 11,800                                                                                 |                                                                                        | 223                                                                                    |
| 228 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 2.9                                                                                     | 106.5                                                                                | 9,200                                                                                  |                                                                                        | 228                                                                                    |
| 230 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 230                                                                                    |
| 232 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 232                                                                                    |
| 240 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 240                                                                                    |
| 247 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 247                                                                                    |
| 250 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 250                                                                                    |
| 255 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 255                                                                                    |

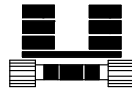




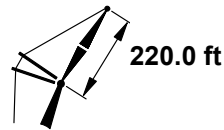
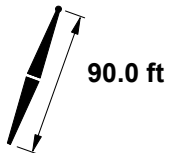
184,600 lb  
+  
44,000 lb

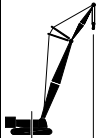
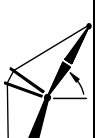
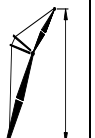
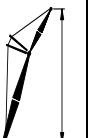


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 88  |      |       |        |      |       |        |      |       |        |      |       |        | 88  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 67.9 | 290.5 | 43,800 |      |       |        |      |       |        |      |       |        | 103 |
| 105 | 67.3 | 289.7 | 42,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 65.8 | 287.5 | 39,900 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 64.3 | 285.1 | 37,500 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 62.8 | 282.6 | 35,200 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 61.3 | 279.9 | 33,200 |      |       |        |      |       |        |      |       |        | 125 |
| 127 | 60.2 | 278.8 | 32,400 | 63.0 | 281.0 | 30,400 |      |       |        |      |       |        | 127 |
| 130 | 59.7 | 277.0 | 31,300 | 62.1 | 279.5 | 29,300 |      |       |        |      |       |        | 130 |
| 135 | 58.1 | 274.0 | 29,600 | 60.5 | 276.7 | 27,700 |      |       |        |      |       |        | 135 |
| 140 | 56.4 | 270.7 | 28,000 | 58.9 | 273.7 | 26,100 |      |       |        |      |       |        | 140 |
| 145 | 54.8 | 267.2 | 26,500 | 57.3 | 270.6 | 24,700 |      |       |        |      |       |        | 145 |
| 150 | 53.1 | 263.6 | 25,100 | 55.7 | 267.2 | 23,400 |      |       |        |      |       |        | 150 |
| 151 | 52.6 | 262.8 | 24,900 | 54.6 | 266.5 | 23,200 | 57.8 | 268.9 | 21,500 |      |       |        | 151 |
| 155 | 51.4 | 259.6 | 23,900 | 54.0 | 263.6 | 22,200 | 56.5 | 266.3 | 20,600 |      |       |        | 155 |
| 160 | 49.6 | 255.5 | 22,700 | 52.3 | 259.8 | 21,100 | 54.8 | 262.8 | 19,500 |      |       |        | 160 |
| 165 | 47.8 | 251.0 | 21,500 | 50.5 | 255.8 | 20,000 | 53.1 | 259.2 | 18,500 |      |       |        | 165 |
| 170 | 45.9 | 246.3 | 20,500 | 48.7 | 251.5 | 19,000 | 51.4 | 255.2 | 17,500 |      |       |        | 170 |
| 173 | 43.8 | 243.2 | 19,900 | 46.8 | 248.7 | 18,400 | 49.8 | 252.7 | 17,000 | 52.8 | 255.3 | 15,600 | 173 |
| 175 | 43.9 | 241.2 | 19,500 | 46.9 | 246.9 | 18,100 | 49.6 | 251.1 | 16,600 | 52.1 | 253.8 | 15,200 | 175 |
| 180 | 41.9 | 235.7 | 18,600 | 45.0 | 242.0 | 17,200 | 47.8 | 246.6 | 15,800 | 50.4 | 249.7 | 14,400 | 180 |
| 185 | 39.8 | 229.9 | 17,700 | 43.0 | 236.7 | 16,300 | 45.9 | 241.9 | 15,000 | 48.6 | 245.4 | 13,700 | 185 |
| 190 | 37.6 | 223.6 | 16,900 | 40.9 | 231.1 | 15,500 | 43.9 | 236.8 | 14,200 | 46.7 | 240.8 | 13,000 | 190 |
| 200 | 32.8 | 209.2 | 15,300 | 36.5 | 218.5 | 14,100 | 39.8 | 225.5 | 12,800 | 42.8 | 230.6 | 11,600 | 200 |
| 210 | 27.3 | 191.7 | 13,900 | 31.6 | 203.5 | 12,700 | 35.3 | 212.3 | 11,600 | 38.6 | 218.8 | 10,400 | 210 |
| 220 | 20.5 | 168.8 | 12,600 | 25.9 | 185.0 | 11,500 | 30.2 | 196.6 | 10,400 | 34.0 | 205.0 | 9,300  | 220 |
| 223 | 16.7 | 157.4 | 12,300 | 22.9 | 177.5 | 11,200 | 28.2 | 190.7 | 10,100 | 31.5 | 200.0 | 9,000  | 223 |
| 228 | 11.2 | 138.5 | 11,700 | 19.4 | 165.0 | 10,600 | 25.2 | 180.8 | 9,600  | 29.0 | 191.7 | 8,500  | 228 |
| 230 | 9.8  | 130.9 | 11,400 | 18.5 | 160.0 | 10,400 | 24.2 | 176.8 | 9,400  | 28.6 | 188.3 | 8,300  | 230 |
| 232 | 5.5  | 115.3 | 11,200 | 15.2 | 149.7 | 10,200 | 22.4 | 171.3 | 9,200  | 26.8 | 184.0 | 8,100  | 232 |
| 240 |      |       |        | 4.2  | 108.6 | 9,300  | 16.1 | 149.0 | 8,400  | 22.2 | 166.9 | 7,300  | 240 |
| 247 |      |       |        |      |       |        | 5.7  | 111.4 | 7,700  | 15.0 | 144.4 | 6,600  | 247 |
| 250 |      |       |        |      |       |        |      |       |        | 13.0 | 134.7 | 6,300  | 250 |
| 255 |      |       |        |      |       |        |      |       |        | 1.9  | 94.6  | 5,700  | 255 |



184,600 lb  
+  
44,000 lb



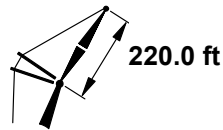
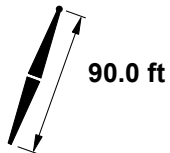
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 65                                                                                | 76.0                                                                                  | 311.2                                                                             | 40,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.6                                                                                  | 309.8                                                                             | 40,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 73.3                                                                                  | 308.4                                                                             | 39,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 72.6                                                                                  | 308.0                                                                             | 39,600                                                                            | 73.8                                                                                  | 308.8                                                                             | 45,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 76                                                                                  |
| 80                                                                                | 71.9                                                                                  | 306.8                                                                             | 39,200                                                                            | 72.8                                                                                  | 307.5                                                                             | 44,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 70.5                                                                                  | 305.0                                                                             | 38,700                                                                            | 71.4                                                                                  | 305.9                                                                             | 44,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 69.1                                                                                  | 303.1                                                                             | 38,200                                                                            | 70.0                                                                                  | 304.1                                                                             | 43,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 91                                                                                | 68.6                                                                                  | 302.7                                                                             | 38,100                                                                            | 68.8                                                                                  | 303.7                                                                             | 43,800                                                                            | 71.0                                                                                    | 304.9                                                                               | 42,800                                                                              | 91                                                                                  |
| 95                                                                                | 67.7                                                                                  | 301.1                                                                             | 37,800                                                                            | 68.6                                                                                  | 302.2                                                                             | 43,400                                                                            | 69.9                                                                                    | 303.4                                                                               | 42,500                                                                              | 95                                                                                  |
| 100                                                                               | 66.3                                                                                  | 299.0                                                                             | 37,300                                                                            | 67.2                                                                                  | 300.1                                                                             | 42,900                                                                            | 68.5                                                                                    | 301.5                                                                               | 42,100                                                                              | 100                                                                                 |
| 105                                                                               | 64.9                                                                                  | 296.7                                                                             | 36,900                                                                            | 65.8                                                                                  | 297.9                                                                             | 42,400                                                                            | 67.1                                                                                    | 299.4                                                                               | 41,700                                                                              | 105                                                                                 |
| 107                                                                               | 63.6                                                                                  | 295.7                                                                             | 36,700                                                                            | 64.6                                                                                  | 296.9                                                                             | 42,300                                                                            | 66.2                                                                                    | 298.5                                                                               | 41,400                                                                              | 107                                                                                 |
| 110                                                                               | 63.4                                                                                  | 294.2                                                                             | 36,500                                                                            | 64.3                                                                                  | 295.5                                                                             | 42,000                                                                            | 65.7                                                                                    | 297.2                                                                               | 41,000                                                                              | 110                                                                                 |
| 115                                                                               | 61.9                                                                                  | 291.6                                                                             | 36,100                                                                            | 62.9                                                                                  | 293.0                                                                             | 39,900                                                                            | 64.2                                                                                    | 294.8                                                                               | 38,400                                                                              | 115                                                                                 |
| 120                                                                               | 60.5                                                                                  | 288.8                                                                             | 35,700                                                                            | 61.4                                                                                  | 290.3                                                                             | 37,500                                                                            | 62.8                                                                                    | 292.3                                                                               | 36,100                                                                              | 120                                                                                 |
| 125                                                                               | 58.9                                                                                  | 285.8                                                                             | 35,300                                                                            | 59.9                                                                                  | 287.5                                                                             | 35,300                                                                            | 61.3                                                                                    | 289.6                                                                               | 34,000                                                                              | 125                                                                                 |
| 130                                                                               | 57.4                                                                                  | 282.7                                                                             | 33,500                                                                            | 58.4                                                                                  | 284.5                                                                             | 33,400                                                                            | 59.8                                                                                    | 286.7                                                                               | 32,100                                                                              | 130                                                                                 |
| 132                                                                               | 56.2                                                                                  | 281.4                                                                             | 32,700                                                                            | 57.2                                                                                  | 283.2                                                                             | 32,600                                                                            | 58.6                                                                                    | 285.5                                                                               | 31,400                                                                              | 132                                                                                 |
| 135                                                                               | 55.8                                                                                  | 279.4                                                                             | 31,400                                                                            | 56.8                                                                                  | 281.2                                                                             | 31,500                                                                            | 58.3                                                                                    | 283.7                                                                               | 30,300                                                                              | 135                                                                                 |
| 140                                                                               | 54.2                                                                                  | 275.8                                                                             | 29,500                                                                            | 55.2                                                                                  | 277.8                                                                             | 29,800                                                                            | 56.7                                                                                    | 280.5                                                                               | 28,700                                                                              | 140                                                                                 |
| 145                                                                               | 52.6                                                                                  | 272.1                                                                             | 27,800                                                                            | 53.6                                                                                  | 274.2                                                                             | 28,300                                                                            | 55.1                                                                                    | 277.0                                                                               | 27,200                                                                              | 145                                                                                 |
| 150                                                                               | 51.0                                                                                  | 268.1                                                                             | 26,200                                                                            | 52.0                                                                                  | 270.4                                                                             | 26,800                                                                            | 53.5                                                                                    | 273.4                                                                               | 25,800                                                                              | 150                                                                                 |
| 155                                                                               | 49.2                                                                                  | 263.9                                                                             | 24,600                                                                            | 50.3                                                                                  | 266.3                                                                             | 25,500                                                                            | 51.9                                                                                    | 269.5                                                                               | 24,400                                                                              | 155                                                                                 |
| 156                                                                               | 48.6                                                                                  | 263.0                                                                             | 24,400                                                                            | 49.6                                                                                  | 265.4                                                                             | 25,200                                                                            | 50.8                                                                                    | 268.7                                                                               | 24,200                                                                              | 156                                                                                 |
| 160                                                                               | 47.5                                                                                  | 259.4                                                                             | 23,200                                                                            | 48.6                                                                                  | 262.0                                                                             | 24,100                                                                            | 50.2                                                                                    | 265.5                                                                               | 23,200                                                                              | 160                                                                                 |
| 165                                                                               | 45.7                                                                                  | 254.6                                                                             | 21,900                                                                            | 46.8                                                                                  | 257.4                                                                             | 22,700                                                                            | 48.5                                                                                    | 261.1                                                                               | 22,100                                                                              | 165                                                                                 |
| 170                                                                               | 43.8                                                                                  | 249.5                                                                             | 20,700                                                                            | 45.0                                                                                  | 252.5                                                                             | 21,400                                                                            | 46.7                                                                                    | 256.5                                                                               | 21,000                                                                              | 170                                                                                 |
| 175                                                                               | 41.9                                                                                  | 244.0                                                                             | 19,500                                                                            | 43.1                                                                                  | 247.2                                                                             | 20,200                                                                            | 44.9                                                                                    | 251.6                                                                               | 20,000                                                                              | 175                                                                                 |
| 179                                                                               | 39.4                                                                                  | 239.3                                                                             | 18,700                                                                            | 41.4                                                                                  | 242.8                                                                             | 19,300                                                                            | 42.4                                                                                    | 247.4                                                                               | 19,200                                                                              | 179                                                                                 |
| 180                                                                               | 39.9                                                                                  | 238.2                                                                             | 18,500                                                                            | 41.2                                                                                  | 241.6                                                                             | 19,100                                                                            | 43.0                                                                                    | 246.3                                                                               | 19,000                                                                              | 180                                                                                 |
| 185                                                                               | 37.8                                                                                  | 231.9                                                                             | 17,400                                                                            | 39.1                                                                                  | 235.6                                                                             | 18,100                                                                            | 41.0                                                                                    | 240.7                                                                               | 18,100                                                                              | 185                                                                                 |
| 190                                                                               | 35.6                                                                                  | 225.1                                                                             | 16,500                                                                            | 37.0                                                                                  | 229.2                                                                             | 17,100                                                                            | 39.0                                                                                    | 234.7                                                                               | 17,300                                                                              | 190                                                                                 |
| 195                                                                               | 33.3                                                                                  | 217.7                                                                             | 15,600                                                                            | 34.8                                                                                  | 222.2                                                                             | 16,100                                                                            | 36.9                                                                                    | 228.2                                                                               | 16,400                                                                              | 195                                                                                 |
| 200                                                                               | 30.8                                                                                  | 209.6                                                                             | 14,700                                                                            | 32.4                                                                                  | 214.5                                                                             | 15,200                                                                            | 34.6                                                                                    | 221.1                                                                               | 15,700                                                                              | 200                                                                                 |
| 210                                                                               | 25.2                                                                                  | 190.6                                                                             | 13,200                                                                            | 27.1                                                                                  | 196.8                                                                             | 13,600                                                                            | 29.7                                                                                    | 205.0                                                                               | 14,200                                                                              | 210                                                                                 |
| 220                                                                               | 18.0                                                                                  | 164.9                                                                             | 11,800                                                                            | 20.5                                                                                  | 173.8                                                                             | 12,100                                                                            | 23.8                                                                                    | 184.9                                                                               | 12,800                                                                              | 220                                                                                 |
| 230                                                                               | 3.8                                                                                   | 111.2                                                                             | 6,300                                                                             | 10.6                                                                                  | 137.0                                                                             | 9,600                                                                             | 16.0                                                                                    | 156.8                                                                               | 11,400                                                                              | 230                                                                                 |
| 233                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.3                                                                                   | 113.0                                                                             | 7,100                                                                             | 10.8                                                                                    | 138.0                                                                               | 9,900                                                                               | 233                                                                                 |
| 238                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.8                                                                                     | 106.7                                                                               | 7,500                                                                               | 238                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 242                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 242                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 255                                                                                 |
| 257                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 257                                                                                 |

# MLC250 S-2

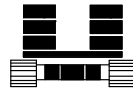
ASME B30.5



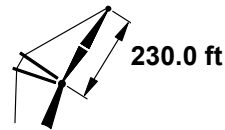
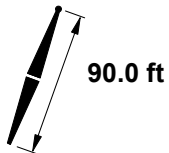
184,600 lb  
+  
44,000 lb

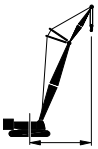
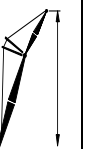
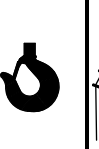
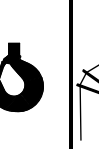
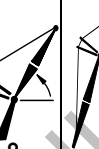


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 91  |      |       |        |      |       |        |      |       |        |      |       |        | 91  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 67.9 | 299.7 | 41,100 |      |       |        |      |       |        |      |       |        | 107 |
| 110 | 67.0 | 298.4 | 39,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 65.6 | 296.2 | 37,000 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 64.1 | 293.8 | 34,800 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 62.7 | 291.3 | 32,700 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 61.2 | 288.6 | 30,900 |      |       |        |      |       |        |      |       |        | 130 |
| 132 | 60.2 | 287.4 | 30,200 | 62.9 | 289.7 | 28,100 |      |       |        |      |       |        | 132 |
| 135 | 59.7 | 285.7 | 29,100 | 62.0 | 288.1 | 27,200 |      |       |        |      |       |        | 135 |
| 140 | 58.2 | 282.6 | 27,500 | 60.5 | 285.3 | 25,700 |      |       |        |      |       |        | 140 |
| 145 | 56.6 | 279.4 | 26,100 | 59.0 | 282.4 | 24,300 |      |       |        |      |       |        | 145 |
| 150 | 55.0 | 276.0 | 24,700 | 57.4 | 279.2 | 22,900 |      |       |        |      |       |        | 150 |
| 155 | 53.4 | 272.3 | 23,400 | 55.9 | 275.9 | 21,700 |      |       |        |      |       |        | 155 |
| 156 | 52.6 | 271.5 | 23,200 | 54.8 | 275.2 | 21,500 | 57.9 | 277.6 | 19,800 |      |       |        | 156 |
| 160 | 51.8 | 268.4 | 22,200 | 54.3 | 272.4 | 20,600 | 56.6 | 275.0 | 19,000 |      |       |        | 160 |
| 165 | 50.1 | 264.3 | 21,100 | 52.6 | 268.6 | 19,500 | 55.1 | 271.6 | 18,000 |      |       |        | 165 |
| 170 | 48.4 | 260.0 | 20,100 | 51.0 | 264.6 | 18,500 | 53.4 | 267.9 | 17,000 |      |       |        | 170 |
| 175 | 46.6 | 255.3 | 19,100 | 49.3 | 260.4 | 17,600 | 51.8 | 264.0 | 16,100 |      |       |        | 175 |
| 179 | 44.4 | 251.4 | 18,300 | 47.4 | 256.8 | 16,900 | 50.2 | 260.8 | 15,500 | 52.8 | 263.3 | 14,100 | 179 |
| 180 | 44.8 | 250.4 | 18,100 | 47.5 | 255.9 | 16,700 | 50.1 | 259.9 | 15,300 | 52.5 | 262.6 | 13,900 | 180 |
| 185 | 42.9 | 245.1 | 17,300 | 45.7 | 251.1 | 15,900 | 48.4 | 255.6 | 14,500 | 50.8 | 258.6 | 13,200 | 185 |
| 190 | 40.9 | 239.5 | 16,400 | 43.9 | 246.0 | 15,100 | 46.6 | 250.9 | 13,700 | 49.1 | 254.3 | 12,500 | 190 |
| 195 | 38.9 | 233.4 | 15,600 | 41.9 | 240.6 | 14,300 | 44.8 | 246.0 | 13,000 | 47.4 | 249.8 | 11,800 | 195 |
| 200 | 36.7 | 226.9 | 14,900 | 39.9 | 234.8 | 13,600 | 42.9 | 240.7 | 12,400 | 45.6 | 245.0 | 11,100 | 200 |
| 210 | 32.1 | 212.1 | 13,500 | 35.7 | 221.7 | 12,300 | 38.9 | 229.0 | 11,100 | 41.8 | 234.4 | 9,900  | 210 |
| 220 | 26.7 | 194.1 | 12,200 | 30.9 | 206.2 | 11,100 | 34.5 | 215.4 | 10,000 | 37.7 | 222.2 | 8,800  | 220 |
| 230 | 20.0 | 170.5 | 11,100 | 25.3 | 187.2 | 10,000 | 29.5 | 199.2 | 8,900  | 33.1 | 208.0 | 7,700  | 230 |
| 233 | 16.7 | 158.9 | 10,700 | 22.9 | 179.5 | 9,700  | 27.2 | 193.1 | 8,600  | 31.2 | 202.8 | 7,400  | 233 |
| 238 | 11.2 | 139.5 | 10,200 | 19.4 | 166.7 | 9,200  | 24.2 | 183.0 | 8,100  | 28.2 | 194.2 | 6,800  | 238 |
| 240 | 9.6  | 131.7 | 10,000 | 18.1 | 161.6 | 9,000  | 23.6 | 178.9 | 8,000  | 28.0 | 190.8 | 6,600  | 240 |
| 242 | 5.4  | 115.7 | 9,400  | 15.2 | 151.1 | 8,800  | 21.4 | 173.2 | 7,700  | 25.8 | 186.4 | 6,400  | 242 |
| 250 |      |       |        | 4.1  | 108.9 | 7,900  | 15.7 | 150.4 | 6,900  | 21.7 | 168.8 | 5,700  | 250 |
| 255 |      |       |        |      |       |        | 9.7  | 127.6 | 6,400  | 17.8 | 154.6 | 5,200  | 255 |
| 257 |      |       |        |      |       |        | 5.5  | 111.9 | 6,200  |      |       |        | 257 |



184,600 lb  
+  
44,000 lb



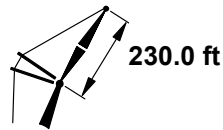
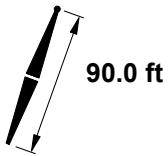
|                                                                                   | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |
| ft                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                 | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 68                                                                                | 75.8                                                                              | 320.7                                                                             | 37,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 68                                                                                  |
| 70                                                                                | 75.3                                                                              | 320.2                                                                             | 37,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 74.0                                                                              | 318.8                                                                             | 36,900                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 75                                                                                  |
| 79                                                                                | 72.4                                                                              | 317.6                                                                             | 36,600                                                                            | 73.8                                                                              | 318.3                                                                             | 42,100                                                                            |                                                                                    |                                                                                     |                                                                                     | 79                                                                                  |
| 80                                                                                | 72.7                                                                              | 317.3                                                                             | 36,500                                                                            | 73.5                                                                              | 318.0                                                                             | 42,000                                                                            |                                                                                    |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 71.4                                                                              | 315.6                                                                             | 36,100                                                                            | 72.2                                                                              | 316.4                                                                             | 41,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 70.1                                                                              | 313.8                                                                             | 35,700                                                                            | 70.9                                                                              | 314.7                                                                             | 41,200                                                                            |                                                                                    |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 68.7                                                                              | 311.9                                                                             | 35,300                                                                            | 69.6                                                                              | 312.9                                                                             | 40,700                                                                            | 70.8                                                                               | 314.0                                                                               | 40,100                                                                              | 95                                                                                  |
| 100                                                                               | 67.4                                                                              | 309.9                                                                             | 34,900                                                                            | 68.2                                                                              | 310.9                                                                             | 40,300                                                                            | 69.5                                                                               | 312.2                                                                               | 39,800                                                                              | 100                                                                                 |
| 105                                                                               | 66.0                                                                              | 307.7                                                                             | 34,500                                                                            | 66.9                                                                              | 308.8                                                                             | 39,900                                                                            | 68.2                                                                               | 310.2                                                                               | 39,500                                                                              | 105                                                                                 |
| 110                                                                               | 64.7                                                                              | 305.4                                                                             | 34,100                                                                            | 65.5                                                                              | 306.6                                                                             | 39,500                                                                            | 66.8                                                                               | 308.1                                                                               | 39,100                                                                              | 110                                                                                 |
| 111                                                                               | 63.8                                                                              | 304.9                                                                             | 34,100                                                                            | 64.8                                                                              | 306.1                                                                             | 39,400                                                                            | 65.8                                                                               | 307.7                                                                               | 38,900                                                                              | 111                                                                                 |
| 115                                                                               | 63.3                                                                              | 302.9                                                                             | 33,800                                                                            | 64.1                                                                              | 304.2                                                                             | 39,100                                                                            | 65.4                                                                               | 305.9                                                                               | 38,100                                                                              | 115                                                                                 |
| 120                                                                               | 61.9                                                                              | 300.3                                                                             | 33,400                                                                            | 62.7                                                                              | 301.7                                                                             | 37,200                                                                            | 64.1                                                                               | 303.5                                                                               | 35,800                                                                              | 120                                                                                 |
| 125                                                                               | 60.4                                                                              | 297.5                                                                             | 33,100                                                                            | 61.3                                                                              | 299.0                                                                             | 35,000                                                                            | 62.7                                                                               | 300.9                                                                               | 33,700                                                                              | 125                                                                                 |
| 130                                                                               | 59.0                                                                              | 294.5                                                                             | 32,000                                                                            | 59.9                                                                              | 296.1                                                                             | 33,000                                                                            | 61.2                                                                               | 298.2                                                                               | 31,800                                                                              | 130                                                                                 |
| 135                                                                               | 57.5                                                                              | 291.4                                                                             | 30,700                                                                            | 58.4                                                                              | 293.1                                                                             | 31,200                                                                            | 59.8                                                                               | 295.4                                                                               | 30,000                                                                              | 135                                                                                 |
| 136                                                                               | 56.8                                                                              | 290.7                                                                             | 30,400                                                                            | 57.6                                                                              | 292.5                                                                             | 30,900                                                                            | 58.8                                                                               | 294.8                                                                               | 29,700                                                                              | 136                                                                                 |
| 140                                                                               | 56.0                                                                              | 288.1                                                                             | 29,100                                                                            | 57.0                                                                              | 289.9                                                                             | 29,500                                                                            | 58.4                                                                               | 292.3                                                                               | 28,400                                                                              | 140                                                                                 |
| 145                                                                               | 54.5                                                                              | 284.6                                                                             | 27,400                                                                            | 55.5                                                                              | 286.5                                                                             | 28,000                                                                            | 56.9                                                                               | 289.1                                                                               | 26,900                                                                              | 145                                                                                 |
| 150                                                                               | 53.0                                                                              | 280.8                                                                             | 25,700                                                                            | 53.9                                                                              | 282.9                                                                             | 26,500                                                                            | 55.4                                                                               | 285.7                                                                               | 25,500                                                                              | 150                                                                                 |
| 155                                                                               | 51.4                                                                              | 276.9                                                                             | 24,200                                                                            | 52.4                                                                              | 279.2                                                                             | 25,200                                                                            | 53.8                                                                               | 282.1                                                                               | 24,100                                                                              | 155                                                                                 |
| 160                                                                               | 49.7                                                                              | 272.7                                                                             | 22,800                                                                            | 50.8                                                                              | 275.1                                                                             | 23,700                                                                            | 52.3                                                                               | 278.3                                                                               | 22,900                                                                              | 160                                                                                 |
| 161                                                                               | 48.8                                                                              | 271.9                                                                             | 22,600                                                                            | 49.8                                                                              | 274.3                                                                             | 23,400                                                                            | 51.6                                                                               | 277.5                                                                               | 22,700                                                                              | 161                                                                                 |
| 165                                                                               | 48.1                                                                              | 268.3                                                                             | 21,500                                                                            | 49.1                                                                              | 270.9                                                                             | 22,300                                                                            | 50.7                                                                               | 274.3                                                                               | 21,800                                                                              | 165                                                                                 |
| 170                                                                               | 46.4                                                                              | 263.7                                                                             | 20,300                                                                            | 47.5                                                                              | 266.4                                                                             | 21,000                                                                            | 49.0                                                                               | 270.0                                                                               | 20,700                                                                              | 170                                                                                 |
| 175                                                                               | 44.6                                                                              | 258.7                                                                             | 19,100                                                                            | 45.7                                                                              | 261.6                                                                             | 19,800                                                                            | 47.3                                                                               | 265.5                                                                               | 19,700                                                                              | 175                                                                                 |
| 180                                                                               | 42.8                                                                              | 253.4                                                                             | 18,100                                                                            | 44.0                                                                              | 256.5                                                                             | 18,700                                                                            | 45.6                                                                               | 260.7                                                                               | 18,700                                                                              | 180                                                                                 |
| 185                                                                               | 40.9                                                                              | 247.8                                                                             | 17,000                                                                            | 42.1                                                                              | 251.1                                                                             | 17,700                                                                            | 43.8                                                                               | 255.6                                                                               | 17,800                                                                              | 185                                                                                 |
| 190                                                                               | 39.0                                                                              | 241.7                                                                             | 16,100                                                                            | 40.2                                                                              | 245.3                                                                             | 16,700                                                                            | 42.0                                                                               | 250.2                                                                               | 17,000                                                                              | 190                                                                                 |
| 195                                                                               | 36.9                                                                              | 235.2                                                                             | 15,200                                                                            | 38.2                                                                              | 239.1                                                                             | 15,700                                                                            | 40.1                                                                               | 244.4                                                                               | 16,200                                                                              | 195                                                                                 |
| 200                                                                               | 34.8                                                                              | 228.2                                                                             | 14,300                                                                            | 36.2                                                                              | 232.5                                                                             | 14,800                                                                            | 38.1                                                                               | 238.1                                                                               | 15,400                                                                              | 200                                                                                 |
| 205                                                                               | 32.5                                                                              | 220.6                                                                             | 13,500                                                                            | 34.0                                                                              | 225.2                                                                             | 14,000                                                                            | 36.0                                                                               | 231.4                                                                               | 14,700                                                                              | 205                                                                                 |
| 210                                                                               | 30.1                                                                              | 212.3                                                                             | 12,700                                                                            | 31.7                                                                              | 217.4                                                                             | 13,200                                                                            | 33.8                                                                               | 224.2                                                                               | 13,900                                                                              | 210                                                                                 |
| 220                                                                               | 24.6                                                                              | 192.7                                                                             | 11,300                                                                            | 26.5                                                                              | 199.1                                                                             | 11,700                                                                            | 29.0                                                                               | 207.6                                                                               | 12,400                                                                              | 220                                                                                 |
| 230                                                                               | 17.6                                                                              | 166.4                                                                             | 10,100                                                                            | 20.1                                                                              | 175.5                                                                             | 10,400                                                                            | 23.3                                                                               | 186.9                                                                               | 11,000                                                                              | 230                                                                                 |
| 235                                                                               | 12.8                                                                              | 147.6                                                                             | 8,300                                                                             | 16.0                                                                              | 159.9                                                                             | 9,800                                                                             | 19.8                                                                               | 174.1                                                                               | 10,300                                                                              | 235                                                                                 |
| 240                                                                               |                                                                                   |                                                                                   |                                                                                   | 10.4                                                                              | 137.9                                                                             | 8,000                                                                             | 15.7                                                                               | 158.1                                                                               | 9,700                                                                               | 240                                                                                 |
| 243                                                                               |                                                                                   |                                                                                   |                                                                                   | 4.2                                                                               | 113.4                                                                             | 5,600                                                                             | 10.1                                                                               | 138.9                                                                               | 8,300                                                                               | 243                                                                                 |
| 248                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 2.7                                                                                | 107.0                                                                               | 6,000                                                                               | 248                                                                                 |
| 250                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 250                                                                                 |
| 252                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 252                                                                                 |
| 260                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 260                                                                                 |
| 265                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 265                                                                                 |

# MLC250 S-2

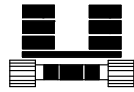
ASME B30.5



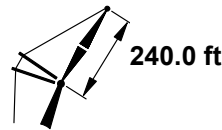
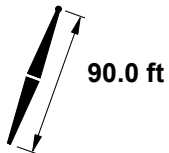
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  |      |       |        |      |       |        |      |       |        |      |       |        | 79  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |        | 110 |
| 111 | 67.8 | 308.9 | 38,600 |      |       |        |      |       |        |      |       |        | 111 |
| 115 | 66.7 | 307.2 | 36,700 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 65.3 | 304.9 | 34,500 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 64.0 | 302.5 | 32,400 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 62.6 | 299.9 | 30,500 |      |       |        |      |       |        |      |       |        | 130 |
| 135 | 61.1 | 297.2 | 28,800 |      |       |        |      |       |        |      |       |        | 135 |
| 136 | 60.6 | 296.7 | 28,500 | 63.0 | 298.9 | 26,500 |      |       |        |      |       |        | 136 |
| 140 | 59.7 | 294.4 | 27,200 | 61.9 | 296.8 | 25,300 |      |       |        |      |       |        | 140 |
| 145 | 58.2 | 291.3 | 25,800 | 60.5 | 294.0 | 23,900 |      |       |        |      |       |        | 145 |
| 150 | 56.8 | 288.1 | 24,400 | 59.0 | 291.0 | 22,600 |      |       |        |      |       |        | 150 |
| 155 | 55.3 | 284.7 | 23,100 | 57.5 | 287.9 | 21,400 |      |       |        |      |       |        | 155 |
| 160 | 53.7 | 281.1 | 21,900 | 56.1 | 284.6 | 20,300 |      |       |        |      |       |        | 160 |
| 161 | 52.8 | 280.3 | 21,700 | 55.6 | 283.9 | 20,100 | 58.0 | 286.3 | 18,500 |      |       |        | 161 |
| 165 | 52.2 | 277.2 | 20,800 | 54.5 | 281.1 | 19,200 | 56.8 | 283.7 | 17,700 |      |       |        | 165 |
| 170 | 50.6 | 273.2 | 19,800 | 53.0 | 277.4 | 18,200 | 55.3 | 280.3 | 16,700 |      |       |        | 170 |
| 175 | 48.9 | 268.9 | 18,800 | 51.4 | 273.5 | 17,300 | 53.7 | 276.7 | 15,800 |      |       |        | 175 |
| 180 | 47.2 | 264.4 | 17,800 | 49.8 | 269.3 | 16,400 | 52.2 | 272.8 | 15,000 |      |       |        | 180 |
| 185 | 45.5 | 259.5 | 17,000 | 48.1 | 264.9 | 15,600 | 50.6 | 268.8 | 14,200 | 52.9 | 271.3 | 12,900 | 185 |
| 190 | 43.7 | 254.4 | 16,100 | 46.4 | 260.2 | 14,800 | 48.9 | 264.5 | 13,400 | 51.3 | 267.4 | 12,100 | 190 |
| 195 | 41.9 | 249.0 | 15,400 | 44.7 | 255.3 | 14,000 | 47.2 | 260.0 | 12,700 | 49.6 | 263.2 | 11,500 | 195 |
| 200 | 40.0 | 243.1 | 14,600 | 42.8 | 250.0 | 13,300 | 45.5 | 255.2 | 12,100 | 48.0 | 258.8 | 10,800 | 200 |
| 205 | 38.0 | 236.9 | 13,900 | 41.0 | 244.3 | 12,600 | 43.7 | 250.0 | 11,400 | 46.3 | 254.1 | 10,200 | 205 |
| 210 | 35.9 | 230.1 | 13,200 | 39.0 | 238.3 | 12,000 | 41.9 | 244.6 | 10,800 | 44.5 | 249.1 | 9,600  | 210 |
| 220 | 31.3 | 214.9 | 12,000 | 34.8 | 224.8 | 10,800 | 38.0 | 232.5 | 9,700  | 40.8 | 238.1 | 8,400  | 220 |
| 230 | 26.1 | 196.4 | 10,800 | 30.2 | 208.9 | 9,700  | 33.7 | 218.5 | 8,600  | 36.8 | 225.6 | 7,200  | 230 |
| 235 | 23.0 | 185.3 | 10,300 | 27.5 | 199.7 | 9,200  | 31.3 | 210.5 | 8,100  | 34.7 | 218.5 | 6,700  | 235 |
| 240 | 19.6 | 172.2 | 9,800  | 24.7 | 189.4 | 8,700  | 28.8 | 201.8 | 7,500  | 32.4 | 210.9 | 6,200  | 240 |
| 243 | 16.0 | 160.3 | 9,400  | 21.9 | 181.5 | 8,400  | 26.5 | 195.5 | 7,200  | 30.5 | 205.6 | 5,900  | 243 |
| 248 | 11.0 | 140.5 | 8,900  | 18.4 | 168.4 | 8,000  | 24.0 | 185.1 | 6,700  | 28.0 | 196.8 | 5,500  | 248 |
| 250 | 9.4  | 132.5 | 8,700  | 17.7 | 163.1 | 7,800  | 23.1 | 180.9 | 6,500  | 27.3 | 193.2 | 5,300  | 250 |
| 252 | 5.2  | 116.2 | 7,800  | 14.2 | 152.4 | 7,600  | 21.4 | 175.1 | 6,300  |      |       |        | 252 |
| 260 |      |       |        | 4.0  | 109.2 | 6,800  | 15.4 | 151.8 | 5,600  |      |       |        | 260 |
| 265 |      |       |        |      |       |        | 9.4  | 128.4 | 5,100  |      |       |        | 265 |



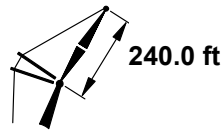
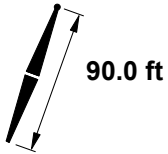
184,600 lb  
+  
44,000 lb



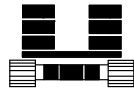
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 70  | 75.9 | 330.5 | 34,000 |      |       |        |      |       |        | 70  |
| 75  | 74.7 | 329.2 | 33,500 |      |       |        |      |       |        | 75  |
| 80  | 73.5 | 327.7 | 33,100 |      |       |        |      |       |        | 80  |
| 81  | 72.8 | 327.4 | 33,100 | 74.0 | 328.1 | 38,000 |      |       |        | 81  |
| 85  | 72.2 | 326.2 | 32,700 | 73.0 | 326.9 | 37,700 |      |       |        | 85  |
| 90  | 70.9 | 324.5 | 32,300 | 71.7 | 325.3 | 37,300 |      |       |        | 90  |
| 95  | 69.7 | 322.6 | 31,900 | 70.5 | 323.6 | 36,900 |      |       |        | 95  |
| 98  | 68.4 | 321.5 | 31,700 | 69.4 | 322.4 | 36,600 | 70.9 | 323.6 | 36,000 | 98  |
| 100 | 68.4 | 320.7 | 31,600 | 69.2 | 321.7 | 36,400 | 70.4 | 322.9 | 35,900 | 100 |
| 105 | 67.1 | 318.6 | 31,200 | 67.9 | 319.7 | 36,000 | 69.1 | 321.0 | 35,600 | 105 |
| 110 | 65.8 | 316.4 | 30,800 | 66.6 | 317.6 | 35,600 | 67.8 | 319.0 | 35,300 | 110 |
| 114 | 64.2 | 314.5 | 30,600 | 65.2 | 315.8 | 35,300 | 66.2 | 317.3 | 35,000 | 114 |
| 115 | 64.5 | 314.1 | 30,500 | 65.3 | 315.3 | 35,300 | 66.5 | 316.9 | 34,900 | 115 |
| 120 | 63.1 | 311.6 | 30,100 | 64.0 | 312.9 | 34,900 | 65.2 | 314.6 | 34,600 | 120 |
| 125 | 61.8 | 308.9 | 29,800 | 62.6 | 310.4 | 34,500 | 63.9 | 312.2 | 33,300 | 125 |
| 130 | 60.4 | 306.1 | 29,500 | 61.3 | 307.7 | 32,700 | 62.6 | 309.6 | 31,400 | 130 |
| 135 | 59.0 | 303.2 | 29,200 | 59.9 | 304.8 | 30,800 | 61.2 | 306.9 | 29,600 | 135 |
| 140 | 57.6 | 300.1 | 28,400 | 58.5 | 301.8 | 29,100 | 59.8 | 304.0 | 28,000 | 140 |
| 141 | 56.8 | 299.4 | 28,100 | 57.8 | 301.1 | 28,800 | 58.8 | 303.4 | 27,700 | 141 |
| 145 | 56.2 | 296.8 | 26,800 | 57.1 | 298.6 | 27,600 | 58.4 | 301.0 | 26,400 | 145 |
| 150 | 54.7 | 293.3 | 25,200 | 55.7 | 295.2 | 26,100 | 57.0 | 297.8 | 25,000 | 150 |
| 155 | 53.3 | 289.6 | 23,700 | 54.2 | 291.7 | 24,600 | 55.6 | 294.4 | 23,700 | 155 |
| 160 | 51.8 | 285.7 | 22,300 | 52.7 | 287.9 | 23,200 | 54.1 | 290.9 | 22,500 | 160 |
| 165 | 50.2 | 281.6 | 21,000 | 51.2 | 284.0 | 21,800 | 52.6 | 287.1 | 21,400 | 165 |
| 167 | 49.2 | 279.9 | 20,500 | 50.2 | 282.3 | 21,300 | 51.6 | 285.5 | 20,900 | 167 |
| 170 | 48.6 | 277.3 | 19,800 | 49.6 | 279.8 | 20,500 | 51.1 | 283.1 | 20,300 | 170 |
| 175 | 47.0 | 272.7 | 18,600 | 48.0 | 275.4 | 19,300 | 49.5 | 278.9 | 19,300 | 175 |
| 180 | 45.3 | 267.9 | 17,500 | 46.4 | 270.7 | 18,200 | 47.9 | 274.5 | 18,300 | 180 |
| 185 | 43.6 | 262.7 | 16,500 | 44.7 | 265.7 | 17,100 | 46.3 | 269.8 | 17,400 | 185 |
| 190 | 41.9 | 257.2 | 15,500 | 43.0 | 260.5 | 16,100 | 44.6 | 264.8 | 16,600 | 190 |
| 191 | 40.8 | 256.1 | 15,400 | 41.8 | 259.3 | 15,900 | 43.6 | 263.8 | 16,400 | 191 |
| 195 | 40.0 | 251.4 | 14,600 | 41.2 | 254.9 | 15,200 | 42.9 | 259.6 | 15,800 | 195 |
| 200 | 38.1 | 245.2 | 13,800 | 39.3 | 248.9 | 14,300 | 41.1 | 253.9 | 15,000 | 200 |
| 205 | 36.1 | 238.5 | 13,000 | 37.4 | 242.5 | 13,500 | 39.2 | 247.9 | 14,200 | 205 |
| 210 | 34.0 | 231.3 | 12,200 | 35.4 | 235.6 | 12,700 | 37.3 | 241.5 | 13,400 | 210 |
| 220 | 29.5 | 215.0 | 10,800 | 31.0 | 220.2 | 11,200 | 33.1 | 227.2 | 11,800 | 220 |
| 230 | 24.1 | 194.9 | 9,500  | 25.9 | 201.4 | 9,900  | 28.4 | 210.1 | 10,400 | 230 |
| 240 | 17.2 | 167.9 | 8,300  | 19.6 | 177.2 | 8,700  | 22.8 | 188.9 | 9,200  | 240 |
| 245 | 12.5 | 148.6 | 6,700  | 15.6 | 161.2 | 8,100  | 19.4 | 175.8 | 8,600  | 245 |
| 250 |      |       |        | 10.1 | 138.8 | 6,400  | 15.3 | 159.5 | 8,000  | 250 |
| 255 |      |       |        |      |       |        | 9.7  | 136.3 | 7,000  | 255 |
| 260 |      |       |        |      |       |        |      |       |        | 260 |
| 262 |      |       |        |      |       |        |      |       |        | 262 |
| 270 |      |       |        |      |       |        |      |       |        | 270 |



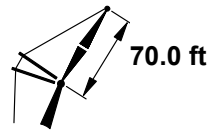
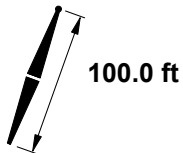
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 81  |      |       |        |      |       |        |      |       |        |      |       |        | 81  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 98  |      |       |        |      |       |        |      |       |        |      |       |        | 98  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |        | 110 |
| 114 | 68.0 | 318.4 | 36,700 |      |       |        |      |       |        |      |       |        | 114 |
| 115 | 67.7 | 318.0 | 36,200 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 66.4 | 315.9 | 34,000 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 65.1 | 313.6 | 32,000 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 63.8 | 311.2 | 30,100 |      |       |        |      |       |        |      |       |        | 130 |
| 135 | 62.5 | 308.6 | 28,400 |      |       |        |      |       |        |      |       |        | 135 |
| 140 | 61.1 | 305.9 | 26,800 |      |       |        |      |       |        |      |       |        | 140 |
| 141 | 60.6 | 305.3 | 26,500 | 62.9 | 307.6 | 24,600 |      |       |        |      |       |        | 141 |
| 145 | 59.7 | 303.0 | 25,300 | 61.8 | 305.5 | 23,500 |      |       |        |      |       |        | 145 |
| 150 | 58.3 | 300.0 | 24,000 | 60.4 | 302.7 | 22,200 |      |       |        |      |       |        | 150 |
| 155 | 56.9 | 296.8 | 22,700 | 59.1 | 299.7 | 20,900 |      |       |        |      |       |        | 155 |
| 160 | 55.5 | 293.4 | 21,500 | 57.6 | 296.6 | 19,800 |      |       |        |      |       |        | 160 |
| 165 | 54.0 | 289.8 | 20,400 | 56.2 | 293.3 | 18,800 |      |       |        |      |       |        | 165 |
| 167 | 52.6 | 288.3 | 20,000 | 55.2 | 291.9 | 18,400 | 57.8 | 294.3 | 16,800 |      |       |        | 167 |
| 170 | 52.5 | 286.0 | 19,300 | 54.8 | 289.8 | 17,800 | 56.9 | 292.4 | 16,200 |      |       |        | 170 |
| 175 | 51.0 | 282.0 | 18,300 | 53.3 | 286.1 | 16,800 | 55.5 | 289.0 | 15,300 |      |       |        | 175 |
| 180 | 49.4 | 277.8 | 17,400 | 51.8 | 282.3 | 15,900 | 54.0 | 285.4 | 14,500 |      |       |        | 180 |
| 185 | 47.8 | 273.4 | 16,500 | 50.2 | 278.2 | 15,100 | 52.5 | 281.6 | 13,700 |      |       |        | 185 |
| 190 | 46.2 | 268.7 | 15,700 | 48.7 | 273.8 | 14,300 | 51.0 | 277.6 | 13,000 |      |       |        | 190 |
| 191 | 45.6 | 267.7 | 15,600 | 47.8 | 272.9 | 14,200 | 49.8 | 276.8 | 12,800 | 52.9 | 279.3 | 11,500 | 191 |
| 195 | 44.5 | 263.7 | 14,900 | 47.0 | 269.3 | 13,600 | 49.4 | 273.4 | 12,300 | 51.7 | 276.2 | 10,900 | 195 |
| 200 | 42.7 | 258.3 | 14,200 | 45.4 | 264.4 | 12,900 | 47.8 | 269.0 | 11,600 | 50.1 | 272.1 | 10,200 | 200 |
| 205 | 40.9 | 252.7 | 13,500 | 43.7 | 259.3 | 12,200 | 46.2 | 264.3 | 11,000 | 48.5 | 267.8 | 9,500  | 205 |
| 210 | 39.1 | 246.7 | 12,800 | 41.9 | 253.8 | 11,600 | 44.5 | 259.3 | 10,300 | 46.9 | 263.2 | 8,900  | 210 |
| 220 | 35.1 | 233.3 | 11,600 | 38.2 | 241.8 | 10,400 | 41.0 | 248.3 | 9,100  | 43.5 | 253.1 | 7,700  | 220 |
| 230 | 30.6 | 217.6 | 10,400 | 34.1 | 227.9 | 9,300  | 37.1 | 235.9 | 8,000  | 39.9 | 241.8 | 6,600  | 230 |
| 240 | 25.5 | 198.6 | 9,400  | 29.5 | 211.6 | 8,300  | 33.0 | 221.4 | 6,900  | 36.0 | 228.8 | 5,500  | 240 |
| 245 | 22.5 | 187.3 | 8,900  | 26.9 | 202.1 | 7,800  | 30.7 | 213.3 | 6,400  | 33.9 | 221.6 | 5,100  | 245 |
| 250 | 19.1 | 173.9 | 8,400  | 24.1 | 191.5 | 7,300  | 28.2 | 204.3 | 5,900  |      |       |        | 250 |
| 255 | 15.0 | 157.3 | 7,900  | 21.0 | 179.3 | 6,700  | 25.5 | 194.3 | 5,400  |      |       |        | 255 |
| 260 | 9.1  | 133.3 | 7,400  | 17.3 | 164.7 | 6,300  |      |       |        |      |       |        | 260 |
| 262 | 5.1  | 116.6 | 6,300  | 14.2 | 153.6 | 6,100  |      |       |        |      |       |        | 262 |
| 270 |      |       |        | 3.9  | 109.6 | 5,300  |      |       |        |      |       |        | 270 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 30  | 75.1 | 175.4 | 158,000 d |      |       |           |      |       |           | 30  |
| 32  | 73.4 | 174.8 | 155,100 d |      |       |           |      |       |           | 32  |
| 34  | 71.7 | 174.1 | 149,000 d |      |       |           |      |       |           | 34  |
| 35  | 70.0 | 173.7 | 146,100 d | 73.8 | 174.6 | 155,500 d |      |       |           | 35  |
| 36  | 69.9 | 173.3 | 143,200 d | 72.9 | 174.3 | 152,400 d |      |       |           | 36  |
| 38  | 68.1 | 172.5 | 137,800 c | 71.2 | 173.6 | 146,400 d |      |       |           | 38  |
| 40  | 66.4 | 171.7 | 132,800 b | 69.5 | 172.9 | 140,900 d |      |       |           | 40  |
| 44  | 62.0 | 169.6 | 123,700 b | 65.0 | 171.1 | 130,900 d | 70.5 | 172.7 | 142,400 d | 44  |
| 45  | 61.8 | 169.1 | 121,500 b | 65.0 | 170.7 | 128,500 b | 69.6 | 172.3 | 139,700 d | 45  |
| 50  | 57.0 | 166.0 | 111,800   | 60.3 | 168.0 | 117,900 b | 65.2 | 170.1 | 125,500 b | 50  |
| 52  | 54.0 | 164.5 | 108,500   | 58.0 | 166.7 | 114,200 b | 63.0 | 169.1 | 119,600 b | 52  |
| 55  | 51.8 | 162.3 | 103,600   | 55.4 | 164.7 | 108,700   | 60.5 | 167.5 | 110,800 b | 55  |
| 60  | 46.3 | 157.8 | 96,500    | 50.2 | 160.8 | 100,900   | 55.6 | 164.2 | 99,000    | 60  |
| 65  | 40.3 | 152.3 | 90,300    | 44.6 | 156.0 | 91,600    | 50.4 | 160.3 | 89,300    | 65  |
| 66  | 38.6 | 150.9 | 89,200    | 42.8 | 154.8 | 90,000    | 48.8 | 159.4 | 87,700    | 66  |
| 70  | 33.2 | 145.3 | 84,700    | 38.2 | 150.1 | 83,300    | 44.8 | 155.6 | 81,200    | 70  |
| 75  | 24.4 | 135.8 | 77,500    | 30.8 | 142.5 | 76,300    | 38.5 | 149.7 | 74,300    | 75  |
| 80  | 9.5  | 118.3 | 61,400    | 21.1 | 131.8 | 70,100    | 31.1 | 142.3 | 68,400    | 80  |
| 84  |      |       |           | 5.7  | 113.5 | 59,200    | 23.0 | 133.8 | 64,300    | 84  |
| 85  |      |       |           |      |       |           | 21.6 | 131.7 | 63,200    | 85  |
| 89  |      |       |           |      |       |           | 7.4  | 114.9 | 59,400    | 89  |
| 90  |      |       |           |      |       |           |      |       |           | 90  |
| 93  |      |       |           |      |       |           |      |       |           | 93  |
| 94  |      |       |           |      |       |           |      |       |           | 94  |
| 95  |      |       |           |      |       |           |      |       |           | 95  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 103 |      |       |           |      |       |           |      |       |           | 103 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 111 |      |       |           |      |       |           |      |       |           | 111 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 119 |      |       |           |      |       |           |      |       |           | 119 |

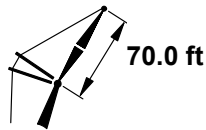
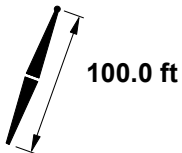


# MLC250 S-2

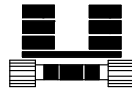
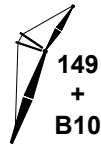
ASME B30.5



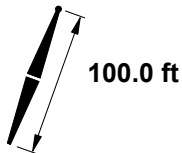
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |          | 70°  |       |          | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|----------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |          |      |       |        |     |
| ft  | ft   | ft    | lb        | ft   | ft    | lb       | ft   | ft    | lb       | ft   | ft    | lb     | ft  |
| 30  |      |       |           |      |       |          |      |       |          |      |       |        | 30  |
| 32  |      |       |           |      |       |          |      |       |          |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |          |      |       |        | 34  |
| 35  |      |       |           |      |       |          |      |       |          |      |       |        | 35  |
| 36  |      |       |           |      |       |          |      |       |          |      |       |        | 36  |
| 38  |      |       |           |      |       |          |      |       |          |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |          |      |       |        | 40  |
| 44  |      |       |           |      |       |          |      |       |          |      |       |        | 44  |
| 45  |      |       |           |      |       |          |      |       |          |      |       |        | 45  |
| 50  |      |       |           |      |       |          |      |       |          |      |       |        | 50  |
| 52  | 68.0 | 170.7 | 116,100 c |      |       |          |      |       |          |      |       |        | 52  |
| 55  | 65.3 | 169.3 | 107,900 b |      |       |          |      |       |          |      |       |        | 55  |
| 60  | 60.7 | 166.7 | 96,400 b  |      |       |          |      |       |          |      |       |        | 60  |
| 65  | 55.8 | 163.4 | 86,900    |      |       |          |      |       |          |      |       |        | 65  |
| 66  | 54.0 | 162.7 | 85,400    | 63.0 | 166.0 | 81,400 b |      |       |          |      |       |        | 66  |
| 70  | 50.6 | 159.6 | 79,100    | 59.2 | 163.7 | 75,500 b |      |       |          |      |       |        | 70  |
| 75  | 45.0 | 154.9 | 72,400    | 54.3 | 160.3 | 69,100   |      |       |          |      |       |        | 75  |
| 80  | 38.7 | 149.1 | 66,600    | 49.0 | 156.1 | 63,600   | 57.5 | 159.7 | 60,600 b |      |       |        | 80  |
| 84  | 32.4 | 143.1 | 62,600    | 44.0 | 152.1 | 59,800   | 53.0 | 156.8 | 57,000 b |      |       |        | 84  |
| 85  | 31.4 | 141.6 | 61,600    | 43.2 | 151.1 | 58,800   | 52.5 | 156.1 | 56,100   |      |       |        | 85  |
| 89  | 23.0 | 133.3 | 58,100    | 37.4 | 146.2 | 55,500   | 48.0 | 152.6 | 52,900   |      |       |        | 89  |
| 90  | 21.9 | 131.2 | 57,200    | 36.6 | 144.9 | 54,600   | 47.0 | 151.7 | 52,100   |      |       |        | 90  |
| 93  | 11.3 | 119.3 | 54,700    | 31.2 | 140.1 | 52,400   | 42.8 | 148.5 | 50,000   | 52.4 | 152.6 | 47,500 | 93  |
| 94  | 8.5  | 115.4 | 53,900    | 29.6 | 138.4 | 51,700   | 41.4 | 147.4 | 49,300   | 51.0 | 151.7 | 46,800 | 94  |
| 95  |      |       |           | 28.8 | 136.8 | 50,900   | 41.0 | 146.3 | 48,500   | 50.3 | 150.9 | 46,200 | 95  |
| 100 |      |       |           | 18.1 | 124.7 | 47,500   | 34.1 | 139.6 | 45,400   | 44.7 | 146.2 | 43,200 | 100 |
| 103 |      |       |           | 3.6  | 107.3 | 45,500   | 28.6 | 134.1 | 43,600   | 40.4 | 142.6 | 41,500 | 103 |
| 105 |      |       |           |      |       |          | 25.6 | 130.5 | 42,500   | 38.4 | 140.3 | 40,500 | 105 |
| 110 |      |       |           |      |       |          | 12.2 | 115.0 | 39,800   | 31.0 | 132.8 | 38,000 | 110 |
| 111 |      |       |           |      |       |          | 6.6  | 108.2 | 39,200   | 28.2 | 130.6 | 37,500 | 111 |
| 115 |      |       |           |      |       |          |      |       |          | 21.3 | 122.1 | 35,700 | 115 |
| 119 |      |       |           |      |       |          |      |       |          | 6.5  | 104.5 | 33,900 | 119 |



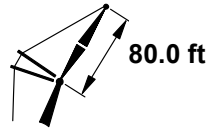
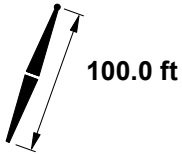
184,600 lb  
+  
44,000 lb



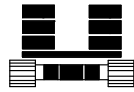
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 32  | 75.5 | 185.2 | 147,500 d |      |       |           |      |       |           | 32  |
| 34  | 74.0 | 184.6 | 143,900 d |      |       |           |      |       |           | 34  |
| 36  | 72.5 | 184.0 | 138,500 d |      |       |           |      |       |           | 36  |
| 38  | 71.0 | 183.3 | 133,500 c | 73.6 | 184.2 | 141,700 d |      |       |           | 38  |
| 40  | 69.5 | 182.5 | 128,700 b | 72.1 | 183.5 | 136,500 d |      |       |           | 40  |
| 45  | 65.6 | 180.4 | 118,100 b | 68.3 | 181.6 | 124,900 b |      |       |           | 45  |
| 47  | 63.4 | 179.3 | 114,400 b | 66.4 | 180.7 | 120,900 b | 70.8 | 182.3 | 130,800 c | 47  |
| 50  | 61.5 | 177.8 | 108,900   | 64.4 | 179.4 | 114,800 b | 68.5 | 181.1 | 124,200 b | 50  |
| 55  | 57.3 | 174.7 | 101,000   | 60.3 | 176.6 | 106,100   | 64.5 | 178.8 | 110,400 b | 55  |
| 56  | 56.0 | 174.0 | 99,600    | 59.2 | 176.0 | 104,600   | 63.2 | 178.3 | 108,000 b | 56  |
| 60  | 52.9 | 171.1 | 94,000    | 56.0 | 173.4 | 98,500    | 60.5 | 176.1 | 98,600    | 60  |
| 65  | 48.2 | 166.8 | 87,900    | 51.5 | 169.6 | 91,400    | 56.2 | 172.9 | 88,900    | 65  |
| 70  | 43.1 | 161.8 | 82,600    | 46.7 | 165.1 | 83,100    | 51.7 | 169.2 | 80,900    | 70  |
| 71  | 41.8 | 160.6 | 81,600    | 45.0 | 164.1 | 81,700    | 50.0 | 168.3 | 79,500    | 71  |
| 75  | 37.5 | 155.7 | 77,400    | 41.5 | 159.8 | 76,100    | 46.9 | 164.7 | 74,000    | 75  |
| 80  | 31.0 | 148.1 | 71,300    | 35.6 | 153.3 | 70,000    | 41.7 | 159.4 | 68,100    | 80  |
| 85  | 22.8 | 137.8 | 65,900    | 28.7 | 145.1 | 64,800    | 35.9 | 153.0 | 63,000    | 85  |
| 90  | 8.8  | 119.0 | 53,700    | 19.6 | 133.5 | 60,100    | 29.0 | 144.9 | 58,500    | 90  |
| 94  |      |       |           | 5.3  | 113.9 | 51,800    | 21.8 | 135.7 | 55,300    | 94  |
| 95  |      |       |           |      |       |           | 20.1 | 133.4 | 54,500    | 95  |
| 99  |      |       |           |      |       |           | 6.9  | 115.5 | 51,500    | 99  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 104 |      |       |           |      |       |           |      |       |           | 104 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 113 |      |       |           |      |       |           |      |       |           | 113 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 121 |      |       |           |      |       |           |      |       |           | 121 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 129 |      |       |           |      |       |           |      |       |           | 129 |



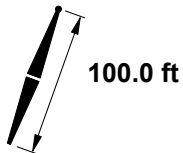
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb        | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 32  |      |       |           |      |       |        |      |       |        |      |       |        | 32  |
| 34  |      |       |           |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |           |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |        |      |       |        |      |       |        | 45  |
| 47  |      |       |           |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |           |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |           |      |       |        |      |       |        |      |       |        | 55  |
| 56  | 67.8 | 179.9 | 104,900 b |      |       |        |      |       |        |      |       |        | 56  |
| 60  | 64.7 | 178.0 | 95,900 b  |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 60.6 | 175.3 | 86,500    |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 56.3 | 172.1 | 78,600    |      |       |        |      |       |        |      |       |        | 70  |
| 71  | 55.0 | 171.4 | 77,300    | 62.6 | 174.6 | 73,600 |      |       |        |      |       |        | 71  |
| 75  | 51.9 | 168.4 | 72,000    | 59.3 | 172.3 | 68,600 |      |       |        |      |       |        | 75  |
| 80  | 47.1 | 164.0 | 66,300    | 55.0 | 169.0 | 63,100 |      |       |        |      |       |        | 80  |
| 85  | 41.9 | 158.7 | 61,300    | 50.4 | 165.1 | 58,400 | 57.8 | 168.4 | 55,500 |      |       |        | 85  |
| 90  | 36.1 | 152.3 | 56,900    | 45.6 | 160.4 | 54,200 | 53.5 | 164.9 | 51,600 |      |       |        | 90  |
| 94  | 30.4 | 145.9 | 53,800    | 41.0 | 155.9 | 51,300 | 49.0 | 161.5 | 48,800 |      |       |        | 94  |
| 95  | 29.3 | 144.3 | 53,100    | 40.2 | 154.8 | 50,600 | 48.8 | 160.7 | 48,100 |      |       |        | 95  |
| 99  | 21.8 | 135.2 | 50,300    | 35.2 | 149.4 | 47,900 | 44.0 | 156.8 | 45,600 | 52.5 | 160.6 | 43,200 | 99  |
| 100 | 20.4 | 133.0 | 49,600    | 34.1 | 148.0 | 47,300 | 43.8 | 155.8 | 44,900 | 51.6 | 159.8 | 42,600 | 100 |
| 104 | 7.9  | 116.0 | 46,900    | 27.6 | 141.0 | 44,900 | 39.0 | 151.0 | 42,700 | 47.0 | 156.2 | 40,500 | 104 |
| 105 |      |       |           | 26.9 | 139.2 | 44,300 | 38.2 | 149.8 | 42,100 | 46.8 | 155.3 | 39,900 | 105 |
| 110 |      |       |           | 16.8 | 126.1 | 41,500 | 31.8 | 142.4 | 39,600 | 41.6 | 150.0 | 37,500 | 110 |
| 113 |      |       |           | 3.3  | 107.4 | 39,900 | 26.2 | 136.5 | 38,100 | 37.4 | 146.1 | 36,200 | 113 |
| 115 |      |       |           |      |       |        | 23.9 | 132.6 | 37,200 | 35.7 | 143.5 | 35,300 | 115 |
| 120 |      |       |           |      |       |        | 11.4 | 115.9 | 35,000 | 28.8 | 135.3 | 33,300 | 120 |
| 121 |      |       |           |      |       |        | 6.1  | 108.6 | 34,500 | 26.2 | 133.0 | 32,900 | 121 |
| 125 |      |       |           |      |       |        |      |       |        | 19.8 | 123.8 | 31,400 | 125 |
| 129 |      |       |           |      |       |        |      |       |        | 6.0  | 104.9 | 29,900 | 129 |



184,600 lb  
+  
44,000 lb



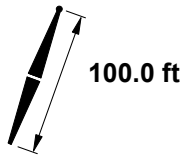
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | lb    | ft        |     |
| 34  | 75.9 | 195.0 | 139,300 d |      |       |           |      |       |           | 34  |
| 36  | 74.5 | 194.4 | 134,300 d |      |       |           |      |       |           | 36  |
| 38  | 73.2 | 193.8 | 129,700 c |      |       |           |      |       |           | 38  |
| 40  | 71.9 | 193.2 | 125,300 b |      |       |           |      |       |           | 40  |
| 41  | 70.4 | 192.8 | 123,300 b | 73.5 | 193.7 | 130,300 d |      |       |           | 41  |
| 45  | 68.5 | 191.3 | 115,200 b | 70.8 | 192.4 | 121,800 b |      |       |           | 45  |
| 50  | 65.0 | 189.0 | 106,500   | 67.4 | 190.4 | 112,200 b | 71.0 | 191.8 | 121,200 b | 50  |
| 55  | 61.4 | 186.4 | 98,800    | 63.9 | 188.0 | 103,900   | 67.5 | 189.8 | 110,100 b | 55  |
| 60  | 57.6 | 183.4 | 92,100    | 60.3 | 185.3 | 96,600    | 64.0 | 187.5 | 98,300    | 60  |
| 65  | 53.8 | 179.9 | 86,200    | 56.5 | 182.1 | 90,200    | 60.4 | 184.8 | 88,700    | 65  |
| 70  | 49.6 | 175.8 | 81,000    | 52.5 | 178.4 | 82,900    | 56.6 | 181.6 | 80,600    | 70  |
| 75  | 45.3 | 171.1 | 76,300    | 48.4 | 174.2 | 75,900    | 52.7 | 178.0 | 73,800    | 75  |
| 76  | 44.0 | 170.0 | 75,300    | 47.0 | 173.2 | 74,700    | 51.2 | 177.1 | 72,600    | 76  |
| 80  | 40.5 | 165.5 | 71,200    | 43.9 | 169.2 | 69,900    | 48.5 | 173.7 | 67,900    | 80  |
| 85  | 35.2 | 158.9 | 65,800    | 39.0 | 163.4 | 64,700    | 44.1 | 168.8 | 62,900    | 85  |
| 90  | 29.1 | 150.7 | 61,200    | 33.5 | 156.4 | 60,100    | 39.2 | 163.0 | 58,400    | 90  |
| 91  | 27.4 | 148.5 | 60,300    | 31.8 | 154.6 | 59,200    | 37.8 | 161.6 | 57,600    | 91  |
| 95  | 21.4 | 139.7 | 57,000    | 27.0 | 147.5 | 56,000    | 33.7 | 156.0 | 54,400    | 95  |
| 100 | 8.2  | 119.6 | 46,700    | 18.5 | 135.1 | 52,300    | 27.3 | 147.3 | 50,900    | 100 |
| 104 |      |       |           | 4.9  | 114.2 | 45,300    | 19.8 | 137.5 | 48,300    | 104 |
| 105 |      |       |           |      |       |           | 18.9 | 135.1 | 47,700    | 105 |
| 109 |      |       |           |      |       |           | 6.4  | 115.9 | 45,200    | 109 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 114 |      |       |           |      |       |           |      |       |           | 114 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 123 |      |       |           |      |       |           |      |       |           | 123 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 131 |      |       |           |      |       |           |      |       |           | 131 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 139 |      |       |           |      |       |           |      |       |           | 139 |

# MLC250 S-2

ASME B30.5



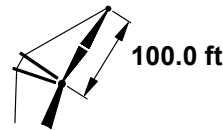
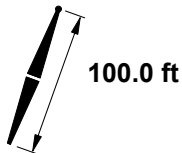
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 34  |      |       |          |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 41  |      |       |          |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  | 67.7 | 189.0 | 95,600 b |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 64.1 | 186.7 | 86,200   |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 60.5 | 184.0 | 78,300   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 56.8 | 180.8 | 71,700   |      |       |        |      |       |        |      |       |        | 75  |
| 76  | 55.2 | 180.1 | 70,600   | 62.3 | 183.3 | 67,100 |      |       |        |      |       |        | 76  |
| 80  | 52.8 | 177.2 | 66,000   | 59.4 | 181.0 | 62,800 |      |       |        |      |       |        | 80  |
| 85  | 48.7 | 173.0 | 61,100   | 55.6 | 177.7 | 58,100 |      |       |        |      |       |        | 85  |
| 90  | 44.2 | 168.1 | 56,700   | 51.6 | 173.9 | 54,000 |      |       |        |      |       |        | 90  |
| 91  | 43.0 | 166.9 | 56,000   | 50.2 | 173.0 | 53,200 | 57.3 | 176.4 | 50,500 |      |       |        | 91  |
| 95  | 39.4 | 162.3 | 52,900   | 47.3 | 169.5 | 50,300 | 54.2 | 173.6 | 47,700 |      |       |        | 95  |
| 100 | 33.9 | 155.4 | 49,500   | 42.8 | 164.4 | 47,000 | 50.1 | 169.6 | 44,600 |      |       |        | 100 |
| 104 | 28.2 | 148.4 | 47,000   | 38.0 | 159.5 | 44,700 | 46.0 | 165.9 | 42,400 |      |       |        | 104 |
| 105 | 27.5 | 146.7 | 46,400   | 37.8 | 158.3 | 44,100 | 45.8 | 165.0 | 41,800 | 52.6 | 168.6 | 39,600 | 105 |
| 109 | 20.6 | 137.1 | 44,100   | 33.0 | 152.4 | 42,000 | 41.8 | 160.6 | 39,800 | 48.8 | 165.2 | 37,700 | 109 |
| 110 | 19.2 | 134.7 | 43,500   | 32.1 | 150.9 | 41,400 | 41.1 | 159.6 | 39,300 | 48.4 | 164.3 | 37,200 | 110 |
| 114 | 7.4  | 116.6 | 41,400   | 26.4 | 143.3 | 39,500 | 36.2 | 154.4 | 37,500 | 44.0 | 160.4 | 35,500 | 114 |
| 115 |      |       |          | 25.3 | 141.4 | 39,000 | 35.9 | 153.1 | 37,000 | 43.9 | 159.4 | 35,000 | 115 |
| 120 |      |       |          | 15.8 | 127.5 | 36,800 | 29.9 | 145.1 | 34,900 | 39.1 | 153.6 | 33,000 | 120 |
| 123 |      |       |          | 3.0  | 107.6 | 35,400 | 24.8 | 138.8 | 33,700 | 35.4 | 149.4 | 31,900 | 123 |
| 125 |      |       |          |      |       |        | 22.4 | 134.5 | 33,000 | 33.6 | 146.6 | 31,200 | 125 |
| 130 |      |       |          |      |       |        | 10.7 | 116.8 | 31,100 | 27.1 | 137.7 | 29,500 | 130 |
| 131 |      |       |          |      |       |        | 5.7  | 109.0 | 30,700 | 25.2 | 135.3 | 29,200 | 131 |
| 135 |      |       |          |      |       |        |      |       |        | 18.6 | 125.4 | 27,900 | 135 |
| 139 |      |       |          |      |       |        |      |       |        | 5.6  | 105.3 | 26,600 | 139 |



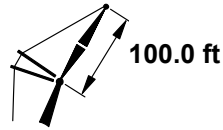
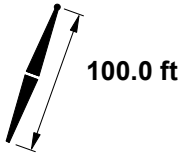
184,600 lb  
+  
44,000 lb



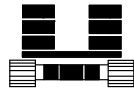
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 37  | 75.5 | 204.5 | 127,500 d |      |       |           |      |       |           | 37  |
| 38  | 74.9 | 204.3 | 125,300 c |      |       |           |      |       |           | 38  |
| 40  | 73.7 | 203.7 | 121,300 b |      |       |           |      |       |           | 40  |
| 43  | 71.2 | 202.7 | 115,600 b | 74.0 | 203.6 | 122,000 b |      |       |           | 43  |
| 45  | 70.7 | 202.0 | 111,900 b | 72.8 | 202.9 | 118,200 b |      |       |           | 45  |
| 50  | 67.6 | 200.0 | 103,600   | 69.8 | 201.2 | 109,200 b |      |       |           | 50  |
| 54  | 64.6 | 198.2 | 97,800    | 66.6 | 199.5 | 102,900 b | 70.5 | 201.0 | 110,700 b | 54  |
| 55  | 64.5 | 197.7 | 96,300    | 66.7 | 199.1 | 101,300   | 69.9 | 200.6 | 109,000 b | 55  |
| 60  | 61.2 | 195.1 | 89,900    | 63.5 | 196.7 | 94,300    | 66.8 | 198.6 | 97,900    | 60  |
| 64  | 57.8 | 192.7 | 85,300    | 60.6 | 194.5 | 89,300    | 63.6 | 196.7 | 90,100    | 64  |
| 65  | 57.9 | 192.1 | 84,200    | 60.2 | 193.9 | 88,100    | 63.6 | 196.2 | 88,200    | 65  |
| 70  | 54.4 | 188.6 | 79,000    | 56.8 | 190.8 | 82,500    | 60.4 | 193.4 | 80,200    | 70  |
| 75  | 50.8 | 184.7 | 74,500    | 53.3 | 187.2 | 75,500    | 57.0 | 190.3 | 73,400    | 75  |
| 80  | 46.9 | 180.2 | 70,400    | 49.6 | 183.1 | 69,500    | 53.5 | 186.7 | 67,500    | 80  |
| 85  | 42.8 | 175.0 | 65,600    | 45.7 | 178.4 | 64,300    | 49.8 | 182.7 | 62,500    | 85  |
| 90  | 38.3 | 169.0 | 60,900    | 41.5 | 173.0 | 59,800    | 45.9 | 178.0 | 58,000    | 90  |
| 95  | 33.3 | 161.9 | 56,800    | 36.9 | 166.7 | 55,700    | 41.7 | 172.7 | 54,100    | 95  |
| 96  | 31.8 | 160.2 | 56,100    | 35.0 | 165.2 | 55,000    | 40.2 | 171.4 | 53,400    | 96  |
| 100 | 27.6 | 153.1 | 53,100    | 31.7 | 159.2 | 52,100    | 37.1 | 166.4 | 50,600    | 100 |
| 105 | 20.3 | 141.5 | 49,800    | 25.6 | 149.7 | 48,900    | 31.9 | 158.9 | 47,400    | 105 |
| 110 | 7.8  | 120.2 | 40,800    | 17.5 | 136.6 | 45,900    | 25.8 | 149.6 | 44,600    | 110 |
| 111 |      |       |           | 13.8 | 131.0 | 44,300    | 23.4 | 147.0 | 44,100    | 111 |
| 114 |      |       |           | 4.6  | 114.5 | 39,600    | 18.6 | 139.2 | 42,500    | 114 |
| 115 |      |       |           |      |       |           | 17.9 | 136.6 | 42,000    | 115 |
| 119 |      |       |           |      |       |           | 6.1  | 116.4 | 39,900    | 119 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 124 |      |       |           |      |       |           |      |       |           | 124 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 133 |      |       |           |      |       |           |      |       |           | 133 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 141 |      |       |           |      |       |           |      |       |           | 141 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 149 |      |       |           |      |       |           |      |       |           | 149 |



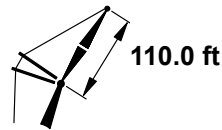
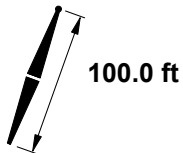
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 37  |      |       |        |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 43  |      |       |        |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  | 67.5 | 198.2 | 87,400 |      |       |        |      |       |        |      |       |        | 64  |
| 65  | 66.9 | 197.8 | 85,700 |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 63.7 | 195.4 | 77,900 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 60.5 | 192.6 | 71,200 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 57.1 | 189.5 | 65,600 | 62.7 | 192.5 | 62,300 |      |       |        |      |       |        | 80  |
| 85  | 53.6 | 186.0 | 60,600 | 59.5 | 189.7 | 57,600 |      |       |        |      |       |        | 85  |
| 90  | 49.9 | 181.9 | 56,300 | 56.0 | 186.4 | 53,400 |      |       |        |      |       |        | 90  |
| 95  | 46.0 | 177.3 | 52,500 | 52.5 | 182.7 | 49,800 |      |       |        |      |       |        | 95  |
| 96  | 44.2 | 176.2 | 51,800 | 51.2 | 181.9 | 49,100 | 57.6 | 185.1 | 46,500 |      |       |        | 96  |
| 100 | 41.8 | 172.0 | 49,100 | 48.7 | 178.5 | 46,600 | 54.8 | 182.4 | 44,100 |      |       |        | 100 |
| 105 | 37.2 | 165.7 | 46,000 | 44.7 | 173.7 | 43,600 | 51.2 | 178.5 | 41,300 |      |       |        | 105 |
| 110 | 32.1 | 158.3 | 43,300 | 40.4 | 168.1 | 41,000 | 47.4 | 174.1 | 38,800 |      |       |        | 110 |
| 111 | 30.8 | 156.4 | 42,700 | 39.0 | 166.8 | 40,500 | 46.2 | 173.1 | 38,300 | 52.7 | 176.6 | 36,200 | 111 |
| 114 | 27.2 | 150.9 | 41,200 | 36.0 | 162.8 | 39,100 | 43.8 | 170.0 | 37,000 | 49.8 | 174.1 | 34,900 | 114 |
| 115 | 26.0 | 149.0 | 40,700 | 35.7 | 161.5 | 38,600 | 43.3 | 169.0 | 36,500 | 49.7 | 173.3 | 34,500 | 115 |
| 119 | 19.6 | 138.8 | 38,900 | 31.0 | 155.2 | 36,900 | 39.0 | 164.3 | 34,900 | 45.8 | 169.5 | 32,900 | 119 |
| 120 | 18.2 | 136.2 | 38,400 | 30.4 | 153.6 | 36,400 | 38.9 | 163.1 | 34,500 | 45.8 | 168.6 | 32,500 | 120 |
| 124 | 7.0  | 117.1 | 36,600 | 24.4 | 145.5 | 34,800 | 34.0 | 157.5 | 32,900 | 41.8 | 164.3 | 31,100 | 124 |
| 125 |      |       |        | 23.9 | 143.5 | 34,400 | 33.9 | 156.1 | 32,600 | 41.6 | 163.2 | 30,700 | 125 |
| 130 |      |       |        | 15.0 | 128.8 | 32,500 | 28.3 | 147.6 | 30,800 | 36.9 | 156.9 | 29,000 | 130 |
| 133 |      |       |        | 2.8  | 107.8 | 31,300 | 23.8 | 140.9 | 29,800 | 33.0 | 152.4 | 28,100 | 133 |
| 135 |      |       |        |      |       |        | 21.2 | 136.4 | 29,100 | 31.8 | 149.4 | 27,500 | 135 |
| 140 |      |       |        |      |       |        | 10.1 | 117.6 | 27,600 | 25.7 | 140.0 | 26,100 | 140 |
| 141 |      |       |        |      |       |        | 5.4  | 109.4 | 27,200 | 23.4 | 137.4 | 25,800 | 141 |
| 145 |      |       |        |      |       |        |      |       |        | 17.6 | 126.9 | 24,700 | 145 |
| 149 |      |       |        |      |       |        |      |       |        | 5.3  | 105.7 | 23,600 | 149 |



184,600 lb  
+  
44,000 lb

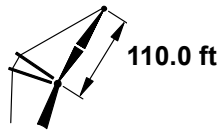
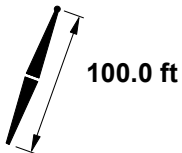


|     | 88°  |       |           | 86°  |       |           | 83°  |       |         |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|---------|-----|
|     |      |       |           |      |       |           |      |       |         |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft      |     |
| 39  | 75.8 | 214.4 | 118,000 b |      |       |           |      |       |         | 39  |
| 40  | 75.3 | 214.1 | 117,200 b |      |       |           |      |       |         | 40  |
| 45  | 72.5 | 212.6 | 108,600 b |      |       |           |      |       |         | 45  |
| 46  | 71.4 | 212.2 | 107,000 b | 73.9 | 213.1 | 112,700 b |      |       |         | 46  |
| 50  | 69.8 | 210.8 | 100,800   | 71.7 | 211.8 | 106,100 b |      |       |         | 50  |
| 55  | 67.0 | 208.8 | 93,900    | 68.9 | 210.0 | 98,700    |      |       |         | 55  |
| 57  | 65.2 | 207.8 | 91,400    | 67.2 | 209.1 | 96,100    | 70.7 | 210.6 | 102,900 | 57  |
| 60  | 64.1 | 206.4 | 87,700    | 66.1 | 207.8 | 92,100    | 69.0 | 209.4 | 97,700  | 60  |
| 65  | 61.1 | 203.7 | 82,200    | 63.2 | 205.4 | 86,200    | 66.2 | 207.3 | 88,100  | 65  |
| 67  | 59.8 | 202.5 | 80,300    | 61.8 | 204.3 | 84,100    | 64.8 | 206.3 | 84,900  | 67  |
| 70  | 58.1 | 200.7 | 77,400    | 60.2 | 202.6 | 80,800    | 63.3 | 204.9 | 80,100  | 70  |
| 75  | 54.9 | 197.3 | 72,900    | 57.1 | 199.5 | 75,500    | 60.3 | 202.1 | 73,300  | 75  |
| 80  | 51.7 | 193.5 | 68,900    | 54.0 | 196.0 | 69,500    | 57.3 | 199.0 | 67,400  | 80  |
| 85  | 48.2 | 189.2 | 65,400    | 50.6 | 192.0 | 64,300    | 54.1 | 195.5 | 62,400  | 85  |
| 90  | 44.6 | 184.3 | 60,900    | 47.1 | 187.5 | 59,700    | 50.8 | 191.5 | 58,000  | 90  |
| 95  | 40.7 | 178.8 | 56,800    | 43.4 | 182.5 | 55,700    | 47.3 | 187.1 | 54,000  | 95  |
| 100 | 36.4 | 172.3 | 52,900    | 39.4 | 176.7 | 52,100    | 43.6 | 182.1 | 50,600  | 100 |
| 101 | 35.0 | 170.8 | 52,100    | 38.2 | 175.3 | 51,500    | 42.2 | 180.9 | 49,900  | 101 |
| 105 | 31.7 | 164.8 | 49,100    | 35.1 | 169.9 | 48,900    | 39.6 | 176.3 | 47,400  | 105 |
| 110 | 26.2 | 155.5 | 46,100    | 30.1 | 161.9 | 46,000    | 35.3 | 169.6 | 44,600  | 110 |
| 115 | 19.3 | 143.1 | 43,800    | 24.3 | 151.9 | 43,300    | 30.4 | 161.6 | 42,000  | 115 |
| 117 | 14.2 | 134.2 | 40,800    | 20.8 | 146.3 | 42,300    | 27.6 | 157.7 | 41,100  | 117 |
| 120 | 7.4  | 120.8 | 36,300    | 16.6 | 138.0 | 40,900    | 24.6 | 151.7 | 39,700  | 120 |
| 124 |      |       |           | 4.4  | 114.9 | 35,300    | 17.6 | 140.8 | 37,900  | 124 |
| 125 |      |       |           |      |       |           | 17.0 | 138.1 | 37,500  | 125 |
| 129 |      |       |           |      |       |           | 5.7  | 116.9 | 35,800  | 129 |
| 130 |      |       |           |      |       |           |      |       |         | 130 |
| 134 |      |       |           |      |       |           |      |       |         | 134 |
| 135 |      |       |           |      |       |           |      |       |         | 135 |
| 140 |      |       |           |      |       |           |      |       |         | 140 |
| 143 |      |       |           |      |       |           |      |       |         | 143 |
| 145 |      |       |           |      |       |           |      |       |         | 145 |
| 150 |      |       |           |      |       |           |      |       |         | 150 |
| 151 |      |       |           |      |       |           |      |       |         | 151 |
| 155 |      |       |           |      |       |           |      |       |         | 155 |
| 159 |      |       |           |      |       |           |      |       |         | 159 |

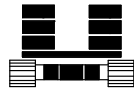




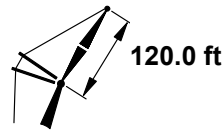
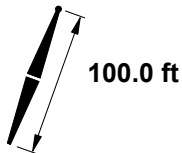
184,600 lb  
+  
44,000 lb

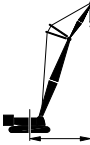


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  | 68.0 | 207.8 | 82,200 |      |       |        |      |       |        |      |       |        | 67  |
| 70  | 66.3 | 206.5 | 77,700 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 63.4 | 204.1 | 71,100 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 60.4 | 201.3 | 65,400 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 57.4 | 198.2 | 60,500 | 62.5 | 201.2 | 57,400 |      |       |        |      |       |        | 85  |
| 90  | 54.2 | 194.7 | 56,200 | 59.5 | 198.3 | 53,300 |      |       |        |      |       |        | 90  |
| 95  | 50.9 | 190.8 | 52,400 | 56.4 | 195.1 | 49,700 |      |       |        |      |       |        | 95  |
| 100 | 47.4 | 186.4 | 49,000 | 53.2 | 191.5 | 46,400 |      |       |        |      |       |        | 100 |
| 101 | 46.2 | 185.4 | 48,400 | 52.2 | 190.7 | 45,900 | 57.8 | 193.8 | 43,300 |      |       |        | 101 |
| 105 | 43.7 | 181.3 | 46,000 | 49.8 | 187.4 | 43,500 | 55.3 | 191.1 | 41,200 |      |       |        | 105 |
| 110 | 39.7 | 175.6 | 43,200 | 46.3 | 182.8 | 40,900 | 52.0 | 187.3 | 38,700 |      |       |        | 110 |
| 115 | 35.4 | 168.9 | 40,700 | 42.5 | 177.6 | 38,600 | 48.6 | 183.1 | 36,400 |      |       |        | 115 |
| 117 | 33.0 | 165.8 | 39,800 | 40.4 | 175.2 | 37,700 | 46.8 | 181.1 | 35,600 | 52.7 | 184.6 | 33,500 | 117 |
| 120 | 30.5 | 161.0 | 38,400 | 38.5 | 171.6 | 36,400 | 45.0 | 178.3 | 34,400 | 50.7 | 182.1 | 32,400 | 120 |
| 124 | 25.2 | 153.2 | 36,800 | 34.0 | 166.0 | 34,800 | 41.8 | 173.9 | 32,800 | 47.6 | 178.6 | 30,900 | 124 |
| 125 | 24.8 | 151.2 | 36,300 | 34.0 | 164.6 | 34,400 | 41.2 | 172.8 | 32,500 | 47.2 | 177.7 | 30,600 | 125 |
| 129 | 18.4 | 140.4 | 34,800 | 29.0 | 157.9 | 32,900 | 37.0 | 167.7 | 31,100 | 43.8 | 173.6 | 29,300 | 129 |
| 130 | 17.3 | 137.7 | 34,400 | 28.9 | 156.2 | 32,600 | 37.0 | 166.5 | 30,700 | 43.5 | 172.6 | 28,900 | 130 |
| 134 | 6.6  | 117.6 | 32,900 | 23.2 | 147.7 | 31,200 | 32.8 | 160.5 | 29,500 | 39.8 | 168.0 | 27,700 | 134 |
| 135 |      |       |        | 22.8 | 145.5 | 30,900 | 32.3 | 159.0 | 29,100 | 39.5 | 166.8 | 27,400 | 135 |
| 140 |      |       |        | 14.2 | 130.0 | 29,300 | 26.9 | 150.0 | 27,600 | 35.1 | 160.1 | 26,000 | 140 |
| 143 |      |       |        | 2.6  | 107.9 | 28,200 | 22.4 | 142.9 | 26,800 | 32.0 | 155.3 | 25,200 | 143 |
| 145 |      |       |        |      |       |        | 20.2 | 138.1 | 26,200 | 30.2 | 152.1 | 24,700 | 145 |
| 150 |      |       |        |      |       |        | 9.6  | 118.4 | 24,900 | 24.4 | 142.2 | 23,400 | 150 |
| 151 |      |       |        |      |       |        | 5.1  | 109.8 | 24,600 | 22.4 | 139.4 | 23,200 | 151 |
| 155 |      |       |        |      |       |        |      |       |        | 16.8 | 128.4 | 22,300 | 155 |
| 159 |      |       |        |      |       |        |      |       |        | 5.0  | 106.1 | 21,300 | 159 |



184,600 lb  
+  
44,000 lb



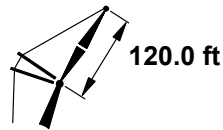
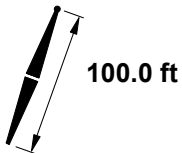
|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                  |  83° |                                                                                        |                                                                                        |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|     |  ft  |  ft |  lb |  ft  |  lb |                  |  ft   |  lb |  ft |  |
| 41  | 76.0                                                                                  | 224.2                                                                                | 111,300 <b>b</b>                                                                     |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 41                                                                                     |  |
| 45  | 74.0                                                                                  | 223.1                                                                                | 105,000 <b>b</b>                                                                     |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 45                                                                                     |  |
| 49  | 71.6                                                                                  | 221.8                                                                                | 99,300 <b>b</b>                                                                      | 73.8                                                                                  | 222.6                                                                                | 104,300 <b>b</b> |                                                                                         |                                                                                        | 49                                                                                     |  |
| 50  | 71.5                                                                                  | 221.5                                                                                | 97,800                                                                               | 73.3                                                                                  | 222.3                                                                                | 102,900          |                                                                                         |                                                                                        | 50                                                                                     |  |
| 55  | 69.0                                                                                  | 219.6                                                                                | 91,400                                                                               | 70.8                                                                                  | 220.7                                                                                | 96,000           |                                                                                         |                                                                                        | 55                                                                                     |  |
| 60  | 66.4                                                                                  | 217.5                                                                                | 85,500                                                                               | 68.2                                                                                  | 218.7                                                                                | 89,700           | 70.9                                                                                    | 220.1                                                                                  | 60                                                                                     |  |
| 65  | 63.7                                                                                  | 215.1                                                                                | 80,200                                                                               | 65.6                                                                                  | 216.5                                                                                | 84,100           | 68.3                                                                                    | 218.2                                                                                  | 65                                                                                     |  |
| 70  | 61.0                                                                                  | 212.4                                                                                | 75,500                                                                               | 62.9                                                                                  | 214.0                                                                                | 79,000           | 65.7                                                                                    | 216.0                                                                                  | 70                                                                                     |  |
| 71  | 60.4                                                                                  | 211.8                                                                                | 74,600                                                                               | 61.6                                                                                  | 213.5                                                                                | 78,100           | 64.6                                                                                    | 215.5                                                                                  | 71                                                                                     |  |
| 75  | 58.2                                                                                  | 209.4                                                                                | 71,200                                                                               | 60.2                                                                                  | 211.3                                                                                | 74,400           | 63.0                                                                                    | 213.5                                                                                  | 75                                                                                     |  |
| 80  | 55.4                                                                                  | 206.1                                                                                | 67,400                                                                               | 57.4                                                                                  | 208.2                                                                                | 69,100           | 60.3                                                                                    | 210.8                                                                                  | 80                                                                                     |  |
| 85  | 52.4                                                                                  | 202.3                                                                                | 63,800                                                                               | 54.5                                                                                  | 204.7                                                                                | 63,900           | 57.5                                                                                    | 207.7                                                                                  | 85                                                                                     |  |
| 89  | 49.6                                                                                  | 199.0                                                                                | 61,200                                                                               | 51.6                                                                                  | 201.6                                                                                | 60,300           | 54.6                                                                                    | 204.9                                                                                  | 89                                                                                     |  |
| 90  | 49.3                                                                                  | 198.2                                                                                | 60,500                                                                               | 51.5                                                                                  | 200.8                                                                                | 59,300           | 54.6                                                                                    | 204.2                                                                                  | 90                                                                                     |  |
| 95  | 46.0                                                                                  | 193.5                                                                                | 56,500                                                                               | 48.3                                                                                  | 196.5                                                                                | 55,300           | 51.6                                                                                    | 200.4                                                                                  | 95                                                                                     |  |
| 100 | 42.6                                                                                  | 188.3                                                                                | 52,400                                                                               | 45.0                                                                                  | 191.7                                                                                | 51,700           | 48.4                                                                                    | 196.1                                                                                  | 100                                                                                    |  |
| 105 | 38.9                                                                                  | 182.3                                                                                | 48,600                                                                               | 41.5                                                                                  | 186.3                                                                                | 48,500           | 45.1                                                                                    | 191.3                                                                                  | 105                                                                                    |  |
| 106 | 37.2                                                                                  | 181.0                                                                                | 47,900                                                                               | 40.2                                                                                  | 185.0                                                                                | 48,000           | 44.2                                                                                    | 190.2                                                                                  | 106                                                                                    |  |
| 110 | 34.8                                                                                  | 175.5                                                                                | 45,200                                                                               | 37.7                                                                                  | 180.1                                                                                | 45,600           | 41.6                                                                                    | 185.9                                                                                  | 110                                                                                    |  |
| 115 | 30.3                                                                                  | 167.5                                                                                | 42,300                                                                               | 33.5                                                                                  | 172.9                                                                                | 43,000           | 37.8                                                                                    | 179.7                                                                                  | 115                                                                                    |  |
| 120 | 25.1                                                                                  | 157.7                                                                                | 39,900                                                                               | 28.8                                                                                  | 164.5                                                                                | 40,600           | 33.7                                                                                    | 172.6                                                                                  | 120                                                                                    |  |
| 123 | 20.8                                                                                  | 149.9                                                                                | 38,900                                                                               | 25.0                                                                                  | 158.1                                                                                | 39,300           | 30.6                                                                                    | 167.6                                                                                  | 123                                                                                    |  |
| 125 | 18.4                                                                                  | 144.7                                                                                | 38,200                                                                               | 23.2                                                                                  | 153.9                                                                                | 38,400           | 29.0                                                                                    | 164.2                                                                                  | 125                                                                                    |  |
| 130 | 7.0                                                                                   | 121.4                                                                                | 31,900                                                                               | 15.9                                                                                  | 139.4                                                                                | 36,300           | 23.5                                                                                    | 153.8                                                                                  | 130                                                                                    |  |
| 134 |                                                                                       |                                                                                      |                                                                                      | 4.1                                                                                   | 115.2                                                                                | 31,100           | 17.4                                                                                    | 142.3                                                                                  | 134                                                                                    |  |
| 135 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  | 16.2                                                                                    | 139.5                                                                                  | 135                                                                                    |  |
| 139 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  | 5.5                                                                                     | 117.3                                                                                  | 139                                                                                    |  |
| 140 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 140                                                                                    |  |
| 144 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 144                                                                                    |  |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 145                                                                                    |  |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 150                                                                                    |  |
| 153 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 153                                                                                    |  |
| 155 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 155                                                                                    |  |
| 160 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 160                                                                                    |  |
| 161 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 161                                                                                    |  |
| 165 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 165                                                                                    |  |
| 169 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                  |                                                                                         |                                                                                        | 169                                                                                    |  |

# MLC250 S-2

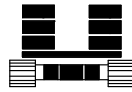
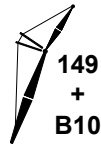
ASME B30.5



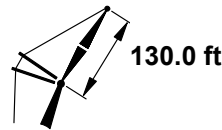
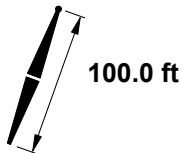
184,600 lb  
+  
44,000 lb

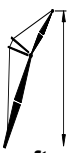
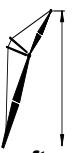
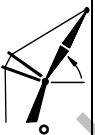
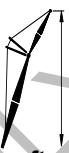


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  | 67.9 | 216.9 | 75,800 |      |       |        |      |       |        |      |       |        | 71  |
| 75  | 65.8 | 215.2 | 70,600 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 63.1 | 212.7 | 65,000 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 60.4 | 210.0 | 60,000 |      |       |        |      |       |        |      |       |        | 85  |
| 89  | 57.6 | 207.5 | 56,600 | 62.8 | 210.4 | 53,500 |      |       |        |      |       |        | 89  |
| 90  | 57.6 | 206.9 | 55,700 | 62.3 | 209.8 | 52,800 |      |       |        |      |       |        | 90  |
| 95  | 54.7 | 203.5 | 51,900 | 59.5 | 207.0 | 49,100 |      |       |        |      |       |        | 95  |
| 100 | 51.7 | 199.6 | 48,600 | 56.7 | 203.8 | 45,900 |      |       |        |      |       |        | 100 |
| 105 | 48.5 | 195.4 | 45,500 | 53.8 | 200.2 | 43,000 |      |       |        |      |       |        | 105 |
| 106 | 47.4 | 194.4 | 45,000 | 52.4 | 199.5 | 42,500 | 58.0 | 202.5 | 40,100 |      |       |        | 106 |
| 110 | 45.2 | 190.6 | 42,800 | 50.7 | 196.3 | 40,400 | 55.7 | 199.8 | 38,100 |      |       |        | 110 |
| 115 | 41.7 | 185.2 | 40,300 | 47.6 | 191.9 | 38,100 | 52.7 | 196.1 | 35,900 |      |       |        | 115 |
| 120 | 38.0 | 179.1 | 38,100 | 44.2 | 186.9 | 35,900 | 49.7 | 192.0 | 33,800 |      |       |        | 120 |
| 123 | 34.6 | 174.8 | 36,800 | 41.6 | 183.6 | 34,700 | 47.2 | 189.2 | 32,700 | 52.7 | 192.6 | 30,700 | 123 |
| 125 | 33.8 | 172.0 | 36,000 | 40.6 | 181.3 | 34,000 | 46.4 | 187.4 | 32,000 | 51.5 | 191.0 | 30,000 | 125 |
| 130 | 29.2 | 163.6 | 34,100 | 36.7 | 174.9 | 32,100 | 43.0 | 182.2 | 30,200 | 48.4 | 186.7 | 28,400 | 130 |
| 134 | 24.2 | 155.3 | 32,700 | 32.8 | 169.0 | 30,800 | 39.6 | 177.6 | 29,000 | 45.6 | 182.8 | 27,200 | 134 |
| 135 | 23.7 | 153.3 | 32,300 | 32.5 | 167.5 | 30,500 | 39.3 | 176.4 | 28,700 | 45.1 | 181.9 | 26,900 | 135 |
| 139 | 17.4 | 142.0 | 31,000 | 28.0 | 160.4 | 29,200 | 35.8 | 171.0 | 27,500 | 41.8 | 177.5 | 25,800 | 139 |
| 140 | 16.5 | 139.1 | 30,600 | 27.6 | 158.6 | 28,900 | 35.3 | 169.7 | 27,200 | 41.5 | 176.5 | 25,500 | 140 |
| 144 | 6.3  | 118.1 | 29,300 | 22.2 | 149.7 | 27,800 | 31.0 | 163.4 | 26,100 | 37.8 | 171.5 | 24,400 | 144 |
| 145 |      |       |        | 21.7 | 147.4 | 27,500 | 30.9 | 161.8 | 25,800 | 37.7 | 170.3 | 24,200 | 145 |
| 150 |      |       |        | 13.6 | 131.1 | 26,100 | 25.7 | 152.3 | 24,500 | 33.6 | 163.1 | 23,000 | 150 |
| 153 |      |       |        | 2.5  | 108.1 | 25,200 | 21.4 | 144.8 | 23,800 | 30.0 | 158.1 | 22,300 | 153 |
| 155 |      |       |        |      |       |        | 19.3 | 139.8 | 23,300 | 28.9 | 154.7 | 21,800 | 155 |
| 160 |      |       |        |      |       |        | 9.1  | 119.2 | 22,100 | 23.3 | 144.2 | 20,800 | 160 |
| 161 |      |       |        |      |       |        | 4.8  | 110.2 | 21,900 | 21.6 | 141.3 | 20,500 | 161 |
| 165 |      |       |        |      |       |        |      |       |        | 16.0 | 129.7 | 19,700 | 165 |
| 169 |      |       |        |      |       |        |      |       |        | 4.7  | 106.5 | 18,900 | 169 |



184,600 lb  
+  
44,000 lb



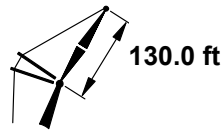
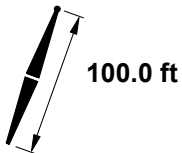
|                                                                                         | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                                                                                         | <br>83° |                                                                                           |                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>ft | <br>°   | <br>ft | <br>lb | <br>°   | <br>ft | <br>lb | <br>°    | <br>ft | <br>lb | <br>ft |
| 44                                                                                      | 75.8                                                                                     | 233.7                                                                                   | 100,800 <b>b</b>                                                                        |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 44                                                                                        |
| 45                                                                                      | 75.3                                                                                     | 233.5                                                                                   | 100,500 <b>b</b>                                                                        |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 45                                                                                        |
| 50                                                                                      | 73.0                                                                                     | 232.0                                                                                   | 95,100                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 50                                                                                        |
| 52                                                                                      | 71.2                                                                                     | 231.3                                                                                   | 92,700                                                                                  | 73.7                                                                                     | 232.2                                                                                   | 97,300                                                                                  |                                                                                            |                                                                                           |                                                                                           | 52                                                                                        |
| 55                                                                                      | 70.7                                                                                     | 230.3                                                                                   | 89,000                                                                                  | 72.3                                                                                     | 231.2                                                                                   | 93,500                                                                                  |                                                                                            |                                                                                           |                                                                                           | 55                                                                                        |
| 60                                                                                      | 68.3                                                                                     | 228.4                                                                                   | 83,600                                                                                  | 70.0                                                                                     | 229.5                                                                                   | 87,600                                                                                  |                                                                                            |                                                                                           |                                                                                           | 60                                                                                        |
| 63                                                                                      | 66.2                                                                                     | 227.0                                                                                   | 80,500                                                                                  | 67.8                                                                                     | 228.3                                                                                   | 84,400                                                                                  | 71.0                                                                                       | 229.7                                                                                     | 90,000                                                                                    | 63                                                                                        |
| 65                                                                                      | 65.9                                                                                     | 226.2                                                                                   | 78,500                                                                                  | 67.6                                                                                     | 227.5                                                                                   | 82,300                                                                                  | 70.1                                                                                       | 228.9                                                                                     | 87,300                                                                                    | 65                                                                                        |
| 70                                                                                      | 63.5                                                                                     | 223.8                                                                                   | 73,900                                                                                  | 65.2                                                                                     | 225.2                                                                                   | 77,400                                                                                  | 67.7                                                                                       | 226.9                                                                                     | 79,300                                                                                    | 70                                                                                        |
| 75                                                                                      | 61.0                                                                                     | 221.1                                                                                   | 69,800                                                                                  | 62.7                                                                                     | 222.7                                                                                   | 73,000                                                                                  | 65.3                                                                                       | 224.7                                                                                     | 72,500                                                                                    | 75                                                                                        |
| 80                                                                                      | 58.4                                                                                     | 218.1                                                                                   | 66,100                                                                                  | 60.2                                                                                     | 219.9                                                                                   | 68,800                                                                                  | 62.8                                                                                       | 222.2                                                                                     | 66,700                                                                                    | 80                                                                                        |
| 85                                                                                      | 55.7                                                                                     | 214.8                                                                                   | 62,700                                                                                  | 57.6                                                                                     | 216.8                                                                                   | 63,600                                                                                  | 60.3                                                                                       | 219.4                                                                                     | 61,600                                                                                    | 85                                                                                        |
| 90                                                                                      | 53.0                                                                                     | 211.1                                                                                   | 59,500                                                                                  | 54.9                                                                                     | 213.4                                                                                   | 59,000                                                                                  | 57.7                                                                                       | 216.3                                                                                     | 57,200                                                                                    | 90                                                                                        |
| 94                                                                                      | 50.6                                                                                     | 207.9                                                                                   | 56,900                                                                                  | 52.4                                                                                     | 210.4                                                                                   | 55,800                                                                                  | 55.4                                                                                       | 213.6                                                                                     | 54,100                                                                                    | 94                                                                                        |
| 95                                                                                      | 50.2                                                                                     | 207.1                                                                                   | 56,200                                                                                  | 52.2                                                                                     | 209.7                                                                                   | 55,000                                                                                  | 55.0                                                                                       | 212.9                                                                                     | 53,300                                                                                    | 95                                                                                        |
| 100                                                                                     | 47.2                                                                                     | 202.6                                                                                   | 52,200                                                                                  | 49.3                                                                                     | 205.5                                                                                   | 51,500                                                                                  | 52.3                                                                                       | 209.2                                                                                     | 49,800                                                                                    | 100                                                                                       |
| 105                                                                                     | 44.1                                                                                     | 197.6                                                                                   | 48,400                                                                                  | 46.3                                                                                     | 200.8                                                                                   | 48,300                                                                                  | 49.4                                                                                       | 205.0                                                                                     | 46,700                                                                                    | 105                                                                                       |
| 110                                                                                     | 40.8                                                                                     | 192.0                                                                                   | 45,000                                                                                  | 43.1                                                                                     | 195.7                                                                                   | 45,400                                                                                  | 46.4                                                                                       | 200.4                                                                                     | 43,900                                                                                    | 110                                                                                       |
| 112                                                                                     | 38.8                                                                                     | 189.5                                                                                   | 43,800                                                                                  | 41.4                                                                                     | 193.4                                                                                   | 44,300                                                                                  | 44.8                                                                                       | 198.4                                                                                     | 42,900                                                                                    | 112                                                                                       |
| 115                                                                                     | 37.3                                                                                     | 185.7                                                                                   | 42,000                                                                                  | 39.8                                                                                     | 189.9                                                                                   | 42,800                                                                                  | 43.3                                                                                       | 195.3                                                                                     | 41,400                                                                                    | 115                                                                                       |
| 120                                                                                     | 33.4                                                                                     | 178.5                                                                                   | 39,300                                                                                  | 36.1                                                                                     | 183.4                                                                                   | 40,400                                                                                  | 39.9                                                                                       | 189.5                                                                                     | 39,100                                                                                    | 120                                                                                       |
| 125                                                                                     | 29.1                                                                                     | 170.1                                                                                   | 36,900                                                                                  | 32.1                                                                                     | 175.8                                                                                   | 38,200                                                                                  | 36.3                                                                                       | 183.0                                                                                     | 36,900                                                                                    | 125                                                                                       |
| 129                                                                                     | 25.0                                                                                     | 161.9                                                                                   | 35,500                                                                                  | 28.0                                                                                     | 168.7                                                                                   | 36,600                                                                                  | 32.8                                                                                       | 177.0                                                                                     | 35,400                                                                                    | 129                                                                                       |
| 130                                                                                     | 24.0                                                                                     | 159.8                                                                                   | 35,100                                                                                  | 27.6                                                                                     | 166.9                                                                                   | 36,200                                                                                  | 32.3                                                                                       | 175.5                                                                                     | 35,000                                                                                    | 130                                                                                       |
| 135                                                                                     | 17.7                                                                                     | 146.3                                                                                   | 33,700                                                                                  | 22.3                                                                                     | 155.9                                                                                   | 34,300                                                                                  | 27.8                                                                                       | 166.7                                                                                     | 33,200                                                                                    | 135                                                                                       |
| 140                                                                                     | 6.7                                                                                      | 121.9                                                                                   | 28,200                                                                                  | 15.2                                                                                     | 140.7                                                                                   | 32,600                                                                                  | 22.5                                                                                       | 155.8                                                                                     | 31,500                                                                                    | 140                                                                                       |
| 144                                                                                     |                                                                                          |                                                                                         |                                                                                         | 4.0                                                                                      | 115.5                                                                                   | 27,600                                                                                  | 16.4                                                                                       | 143.8                                                                                     | 30,200                                                                                    | 144                                                                                       |
| 145                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 15.6                                                                                       | 140.8                                                                                     | 29,900                                                                                    | 145                                                                                       |
| 149                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 5.2                                                                                        | 117.7                                                                                     | 28,700                                                                                    | 149                                                                                       |
| 150                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 150                                                                                       |
| 154                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 154                                                                                       |
| 155                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 155                                                                                       |
| 160                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 160                                                                                       |
| 163                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 163                                                                                       |
| 165                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 165                                                                                       |
| 170                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 170                                                                                       |
| 171                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 171                                                                                       |
| 175                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 175                                                                                       |
| 179                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 179                                                                                       |

# MLC250 S-2

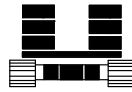
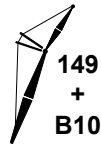
ASME B30.5



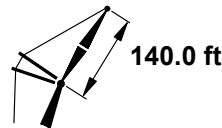
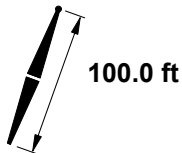
184,600 lb  
+  
44,000 lb

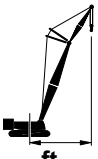
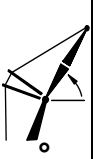
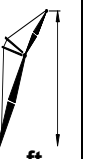
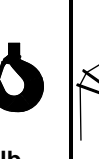


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 67.8 | 226.1 | 70,300 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 65.3 | 223.9 | 64,600 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 62.9 | 221.4 | 59,700 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 60.4 | 218.6 | 55,400 |      |       |        |      |       |        |      |       |        | 90  |
| 94  | 57.6 | 216.2 | 52,400 | 62.6 | 219.0 | 49,500 |      |       |        |      |       |        | 94  |
| 95  | 57.8 | 215.6 | 51,600 | 62.1 | 218.5 | 48,800 |      |       |        |      |       |        | 95  |
| 100 | 55.1 | 212.2 | 48,200 | 59.6 | 215.6 | 45,600 |      |       |        |      |       |        | 100 |
| 105 | 52.4 | 208.4 | 45,200 | 57.0 | 212.5 | 42,700 |      |       |        |      |       |        | 105 |
| 110 | 49.5 | 204.3 | 42,500 | 54.3 | 209.0 | 40,100 |      |       |        |      |       |        | 110 |
| 112 | 47.8 | 202.4 | 41,500 | 52.8 | 207.4 | 39,100 | 57.6 | 210.5 | 36,800 |      |       |        | 112 |
| 115 | 46.5 | 199.7 | 40,000 | 51.5 | 205.1 | 37,700 | 56.0 | 208.5 | 35,500 |      |       |        | 115 |
| 120 | 43.4 | 194.6 | 37,800 | 48.6 | 200.9 | 35,600 | 53.3 | 204.9 | 33,500 |      |       |        | 120 |
| 125 | 40.0 | 188.8 | 35,700 | 45.6 | 196.1 | 33,600 | 50.5 | 200.9 | 31,600 |      |       |        | 125 |
| 129 | 36.8 | 183.6 | 34,200 | 42.6 | 191.9 | 32,200 | 47.6 | 197.3 | 30,200 | 52.8 | 200.6 | 28,300 | 129 |
| 130 | 36.4 | 182.4 | 33,800 | 42.4 | 190.8 | 31,800 | 47.6 | 196.4 | 29,900 | 52.2 | 199.8 | 28,000 | 130 |
| 135 | 32.4 | 174.9 | 32,000 | 38.9 | 184.9 | 30,200 | 44.5 | 191.5 | 28,300 | 49.3 | 195.6 | 26,500 | 135 |
| 140 | 28.0 | 166.1 | 30,400 | 35.2 | 178.1 | 28,600 | 41.2 | 186.0 | 26,800 | 46.3 | 191.0 | 25,100 | 140 |
| 144 | 23.0 | 157.4 | 29,200 | 31.8 | 171.9 | 27,500 | 37.8 | 181.1 | 25,800 | 43.6 | 186.9 | 24,100 | 144 |
| 145 | 22.7 | 155.3 | 28,900 | 31.1 | 170.3 | 27,200 | 37.7 | 179.8 | 25,500 | 43.2 | 185.9 | 23,800 | 145 |
| 149 | 16.4 | 143.5 | 27,800 | 27.0 | 162.9 | 26,100 | 33.8 | 174.1 | 24,500 | 39.8 | 181.2 | 22,900 | 149 |
| 150 | 15.8 | 140.5 | 27,500 | 26.5 | 161.0 | 25,900 | 33.9 | 172.7 | 24,200 | 39.8 | 180.1 | 22,600 | 150 |
| 154 | 6.0  | 118.6 | 26,300 | 21.2 | 151.6 | 24,800 | 29.8 | 166.1 | 23,300 | 36.6 | 174.9 | 21,700 | 154 |
| 155 |      |       |        | 20.9 | 149.3 | 24,600 | 29.6 | 164.5 | 23,000 | 36.2 | 173.6 | 21,500 | 155 |
| 160 |      |       |        | 13.0 | 132.2 | 23,400 | 24.7 | 154.5 | 21,900 | 32.2 | 166.0 | 20,400 | 160 |
| 163 |      |       |        | 2.3  | 108.2 | 22,600 | 20.4 | 146.6 | 21,300 | 29.0 | 160.7 | 19,900 | 163 |
| 165 |      |       |        |      |       |        | 18.5 | 141.4 | 20,900 | 27.7 | 157.2 | 19,500 | 165 |
| 170 |      |       |        |      |       |        | 8.8  | 119.9 | 19,800 | 22.4 | 146.2 | 18,500 | 170 |
| 171 |      |       |        |      |       |        | 4.6  | 110.5 | 19,600 | 20.6 | 143.1 | 18,300 | 171 |
| 175 |      |       |        |      |       |        |      |       |        | 15.4 | 131.1 | 17,600 | 175 |
| 179 |      |       |        |      |       |        |      |       |        | 4.5  | 106.8 | 16,800 | 179 |



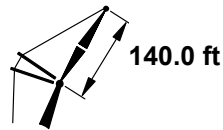
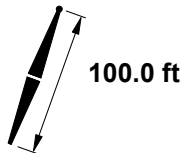
184,600 lb  
+  
44,000 lb



|                                                                                      | 88°                                                                                  |                                                                                      |                                                                                      | 86°                                                                                  |                                                                                      |                                                                                      | 83°                                                                                   |                                                                                        |                                                                                        |     |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|
|  ft |  ft |  ft |  lb |  ft |  lb |  ft |  ft |  lb |  ft |     |
| 46                                                                                   | 75.9                                                                                 | 243.5                                                                                | 88,500                                                                               |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 46  |
| 50                                                                                   | 74.2                                                                                 | 242.4                                                                                | 88,500                                                                               |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 50  |
| 54                                                                                   | 72.4                                                                                 | 241.2                                                                                | 86,600                                                                               | 74.0                                                                                 | 242.0                                                                                | 88,500                                                                               |                                                                                       |                                                                                        |                                                                                        | 54  |
| 55                                                                                   | 72.1                                                                                 | 240.9                                                                                | 86,100                                                                               | 73.6                                                                                 | 241.7                                                                                | 88,500                                                                               |                                                                                       |                                                                                        |                                                                                        | 55  |
| 60                                                                                   | 69.9                                                                                 | 239.1                                                                                | 81,000                                                                               | 71.4                                                                                 | 240.1                                                                                | 84,900                                                                               |                                                                                       |                                                                                        |                                                                                        | 60  |
| 65                                                                                   | 67.7                                                                                 | 237.1                                                                                | 76,300                                                                               | 69.3                                                                                 | 238.3                                                                                | 79,900                                                                               |                                                                                       |                                                                                        |                                                                                        | 65  |
| 67                                                                                   | 66.2                                                                                 | 236.2                                                                                | 74,600                                                                               | 68.2                                                                                 | 237.4                                                                                | 78,000                                                                               | 70.7                                                                                  | 238.8                                                                                  | 83,000                                                                                 | 67  |
| 70                                                                                   | 65.5                                                                                 | 234.9                                                                                | 72,000                                                                               | 67.1                                                                                 | 236.2                                                                                | 75,300                                                                               | 69.4                                                                                  | 237.7                                                                                  | 78,800                                                                                 | 70  |
| 75                                                                                   | 63.2                                                                                 | 232.4                                                                                | 68,000                                                                               | 64.8                                                                                 | 233.9                                                                                | 71,100                                                                               | 67.1                                                                                  | 235.7                                                                                  | 72,000                                                                                 | 75  |
| 79                                                                                   | 60.6                                                                                 | 230.3                                                                                | 65,100                                                                               | 62.4                                                                                 | 231.9                                                                                | 68,000                                                                               | 64.6                                                                                  | 233.8                                                                                  | 67,400                                                                                 | 79  |
| 80                                                                                   | 60.9                                                                                 | 229.7                                                                                | 64,400                                                                               | 62.5                                                                                 | 231.4                                                                                | 67,200                                                                               | 64.9                                                                                  | 233.4                                                                                  | 66,200                                                                                 | 80  |
| 85                                                                                   | 58.5                                                                                 | 226.7                                                                                | 61,100                                                                               | 60.2                                                                                 | 228.6                                                                                | 63,200                                                                               | 62.6                                                                                  | 230.9                                                                                  | 61,200                                                                                 | 85  |
| 90                                                                                   | 56.1                                                                                 | 223.5                                                                                | 58,100                                                                               | 57.8                                                                                 | 225.5                                                                                | 58,600                                                                               | 60.3                                                                                  | 228.1                                                                                  | 56,800                                                                                 | 90  |
| 95                                                                                   | 53.5                                                                                 | 219.9                                                                                | 55,300                                                                               | 55.3                                                                                 | 222.1                                                                                | 54,600                                                                               | 57.9                                                                                  | 225.0                                                                                  | 52,900                                                                                 | 95  |
| 98                                                                                   | 51.2                                                                                 | 217.5                                                                                | 53,400                                                                               | 53.2                                                                                 | 219.9                                                                                | 52,500                                                                               | 55.8                                                                                  | 223.0                                                                                  | 50,800                                                                                 | 98  |
| 100                                                                                  | 50.9                                                                                 | 215.9                                                                                | 52,200                                                                               | 52.7                                                                                 | 218.4                                                                                | 51,100                                                                               | 55.4                                                                                  | 221.7                                                                                  | 49,400                                                                                 | 100 |
| 105                                                                                  | 48.2                                                                                 | 211.6                                                                                | 48,400                                                                               | 50.1                                                                                 | 214.4                                                                                | 47,900                                                                               | 52.9                                                                                  | 218.0                                                                                  | 46,300                                                                                 | 105 |
| 110                                                                                  | 45.4                                                                                 | 206.8                                                                                | 45,000                                                                               | 47.4                                                                                 | 209.9                                                                                | 45,000                                                                               | 50.2                                                                                  | 213.9                                                                                  | 43,500                                                                                 | 110 |
| 115                                                                                  | 42.4                                                                                 | 201.5                                                                                | 42,000                                                                               | 44.5                                                                                 | 205.0                                                                                | 42,400                                                                               | 47.5                                                                                  | 209.5                                                                                  | 41,000                                                                                 | 115 |
| 117                                                                                  | 40.8                                                                                 | 199.1                                                                                | 40,900                                                                               | 42.8                                                                                 | 202.8                                                                                | 41,400                                                                               | 45.8                                                                                  | 207.5                                                                                  | 40,000                                                                                 | 117 |
| 120                                                                                  | 39.2                                                                                 | 195.6                                                                                | 39,200                                                                               | 41.5                                                                                 | 199.5                                                                                | 40,000                                                                               | 44.6                                                                                  | 204.6                                                                                  | 38,700                                                                                 | 120 |
| 125                                                                                  | 35.8                                                                                 | 189.0                                                                                | 36,800                                                                               | 38.2                                                                                 | 193.4                                                                                | 37,800                                                                               | 41.6                                                                                  | 199.1                                                                                  | 36,500                                                                                 | 125 |
| 130                                                                                  | 32.1                                                                                 | 181.4                                                                                | 34,600                                                                               | 34.7                                                                                 | 186.5                                                                                | 35,800                                                                               | 38.4                                                                                  | 193.0                                                                                  | 34,600                                                                                 | 130 |
| 135                                                                                  | 28.0                                                                                 | 172.6                                                                                | 32,800                                                                               | 30.9                                                                                 | 178.6                                                                                | 34,000                                                                               | 34.9                                                                                  | 186.2                                                                                  | 32,800                                                                                 | 135 |
| 140                                                                                  | 23.1                                                                                 | 161.8                                                                                | 31,200                                                                               | 26.6                                                                                 | 169.3                                                                                | 32,300                                                                               | 31.1                                                                                  | 178.3                                                                                  | 31,100                                                                                 | 140 |
| 145                                                                                  | 17.0                                                                                 | 147.7                                                                                | 30,200                                                                               | 21.5                                                                                 | 157.8                                                                                | 30,700                                                                               | 26.8                                                                                  | 169.1                                                                                  | 29,600                                                                                 | 145 |
| 150                                                                                  | 6.4                                                                                  | 122.5                                                                                | 25,000                                                                               | 14.6                                                                                 | 141.9                                                                                | 29,100                                                                               | 21.7                                                                                  | 157.7                                                                                  | 28,200                                                                                 | 150 |
| 154                                                                                  |                                                                                      |                                                                                      |                                                                                      | 3.8                                                                                  | 115.7                                                                                | 24,400                                                                               | 15.4                                                                                  | 145.2                                                                                  | 27,000                                                                                 | 154 |
| 155                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 15.0                                                                                  | 142.1                                                                                  | 26,800                                                                                 | 155 |
| 159                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 5.0                                                                                   | 118.1                                                                                  | 25,700                                                                                 | 159 |
| 160                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 160 |
| 164                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 164 |
| 165                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 165 |
| 170                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 170 |
| 173                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 173 |
| 175                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 175 |
| 180                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 180 |
| 181                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 181 |
| 185                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 185 |
| 189                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 189 |



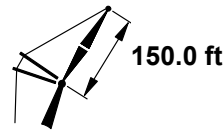
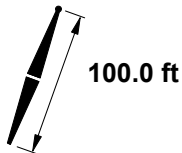
184,600 lb  
+  
44,000 lb

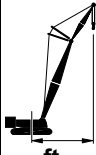
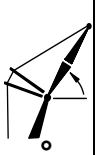
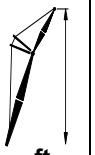
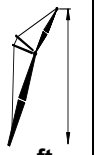
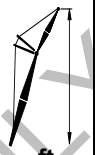
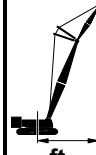


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  | 67.7 | 235.3 | 65,200 |      |       |        |      |       |        |      |       |        | 79  |
| 80  | 67.2 | 234.8 | 64,100 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 65.0 | 232.6 | 59,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 62.7 | 230.1 | 54,900 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 60.3 | 227.3 | 51,100 |      |       |        |      |       |        |      |       |        | 95  |
| 98  | 58.2 | 225.5 | 49,100 | 62.9 | 228.2 | 46,300 |      |       |        |      |       |        | 98  |
| 100 | 57.9 | 224.2 | 47,700 | 62.0 | 227.2 | 45,000 |      |       |        |      |       |        | 100 |
| 105 | 55.5 | 220.9 | 44,700 | 59.6 | 224.3 | 42,100 |      |       |        |      |       |        | 105 |
| 110 | 52.9 | 217.2 | 42,000 | 57.2 | 221.2 | 39,600 |      |       |        |      |       |        | 110 |
| 115 | 50.3 | 213.2 | 39,500 | 54.7 | 217.7 | 37,200 |      |       |        |      |       |        | 115 |
| 117 | 48.8 | 211.4 | 38,700 | 53.2 | 216.2 | 36,400 | 57.8 | 219.2 | 34,100 |      |       |        | 117 |
| 120 | 47.6 | 208.7 | 37,300 | 52.1 | 213.9 | 35,100 | 56.3 | 217.2 | 32,900 |      |       |        | 120 |
| 125 | 44.7 | 203.8 | 35,300 | 49.5 | 209.8 | 33,100 | 53.8 | 213.6 | 31,100 |      |       |        | 125 |
| 130 | 41.7 | 198.4 | 33,400 | 46.7 | 205.2 | 31,300 | 51.2 | 209.7 | 29,400 |      |       |        | 130 |
| 135 | 38.5 | 192.4 | 31,600 | 43.8 | 200.2 | 29,700 | 48.5 | 205.4 | 27,800 | 52.8 | 208.6 | 25,900 | 135 |
| 140 | 35.0 | 185.5 | 30,000 | 40.7 | 194.6 | 28,200 | 45.7 | 200.7 | 26,300 | 50.2 | 204.5 | 24,600 | 140 |
| 145 | 31.2 | 177.7 | 28,500 | 37.4 | 188.3 | 26,700 | 42.8 | 195.5 | 25,000 | 47.4 | 200.1 | 23,300 | 145 |
| 150 | 26.9 | 168.5 | 27,100 | 33.9 | 181.2 | 25,400 | 39.6 | 189.6 | 23,700 | 44.5 | 195.1 | 22,100 | 150 |
| 154 | 22.0 | 159.5 | 26,100 | 29.8 | 174.6 | 24,400 | 36.6 | 184.4 | 22,800 | 41.6 | 190.8 | 21,200 | 154 |
| 155 | 21.9 | 157.2 | 25,800 | 30.0 | 173.0 | 24,200 | 36.2 | 183.1 | 22,600 | 41.5 | 189.7 | 21,000 | 155 |
| 159 | 16.2 | 144.9 | 24,800 | 25.8 | 165.2 | 23,300 | 32.8 | 177.1 | 21,700 | 38.6 | 184.8 | 20,100 | 159 |
| 160 | 15.2 | 141.8 | 24,600 | 25.5 | 163.2 | 23,000 | 32.6 | 175.7 | 21,500 | 38.3 | 183.6 | 19,900 | 160 |
| 164 | 5.8  | 119.1 | 23,600 | 21.0 | 153.5 | 22,100 | 28.8 | 168.7 | 20,600 | 34.8 | 178.1 | 19,200 | 164 |
| 165 |      |       |        | 20.1 | 151.0 | 21,900 | 28.5 | 167.0 | 20,400 | 34.8 | 176.7 | 19,000 | 165 |
| 170 |      |       |        | 12.5 | 133.3 | 20,800 | 23.7 | 156.5 | 19,400 | 31.0 | 168.8 | 18,000 | 170 |
| 173 |      |       |        | 2.2  | 108.3 | 20,200 | 19.4 | 148.4 | 18,900 | 27.6 | 163.2 | 17,500 | 173 |
| 175 |      |       |        |      |       |        | 17.8 | 143.0 | 18,500 | 26.7 | 159.5 | 17,200 | 175 |
| 180 |      |       |        |      |       |        | 8.4  | 120.6 | 17,600 | 21.5 | 148.1 | 16,300 | 180 |
| 181 |      |       |        |      |       |        | 4.4  | 110.9 | 17,400 | 19.6 | 144.9 | 16,200 | 181 |
| 185 |      |       |        |      |       |        |      |       |        | 14.8 | 132.3 | 15,500 | 185 |
| 189 |      |       |        |      |       |        |      |       |        | 4.3  | 107.1 | 14,800 | 189 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 49                                                                                   | 75.7                                                                                  | 253.1                                                                                | 81,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 49                                                                                     |
| 50                                                                                   | 75.3                                                                                  | 252.8                                                                                | 80,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 73.3                                                                                  | 251.4                                                                                | 79,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 57                                                                                   | 72.2                                                                                  | 250.7                                                                                | 79,400                                                                               | 73.9                                                                                  | 251.6                                                                                | 85,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 57                                                                                     |
| 60                                                                                   | 71.3                                                                                  | 249.7                                                                                | 78,700                                                                               | 72.7                                                                                  | 250.6                                                                                | 82,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 69.3                                                                                  | 247.9                                                                                | 74,300                                                                               | 70.7                                                                                  | 248.9                                                                                | 77,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 67.2                                                                                  | 245.9                                                                                | 70,200                                                                               | 68.7                                                                                  | 247.0                                                                                | 73,500                                                                               | 70.8                                                                                    | 248.4                                                                                  | 78,000                                                                                 | 70                                                                                     |
| 75                                                                                   | 65.1                                                                                  | 243.6                                                                                | 66,500                                                                               | 66.6                                                                                  | 244.9                                                                                | 69,400                                                                               | 68.8                                                                                    | 246.5                                                                                  | 71,900                                                                                 | 75                                                                                     |
| 80                                                                                   | 63.0                                                                                  | 241.1                                                                                | 63,000                                                                               | 64.5                                                                                  | 242.6                                                                                | 65,700                                                                               | 66.7                                                                                    | 244.4                                                                                  | 66,100                                                                                 | 80                                                                                     |
| 82                                                                                   | 61.2                                                                                  | 240.0                                                                                | 61,700                                                                               | 63.2                                                                                  | 241.6                                                                                | 64,400                                                                               | 65.2                                                                                    | 243.5                                                                                  | 64,000                                                                                 | 82                                                                                     |
| 85                                                                                   | 60.8                                                                                  | 238.4                                                                                | 59,800                                                                               | 62.3                                                                                  | 240.0                                                                                | 62,300                                                                               | 64.6                                                                                    | 242.1                                                                                  | 61,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 58.6                                                                                  | 235.4                                                                                | 56,900                                                                               | 60.2                                                                                  | 237.2                                                                                | 58,500                                                                               | 62.4                                                                                    | 239.5                                                                                  | 56,600                                                                                 | 90                                                                                     |
| 95                                                                                   | 56.3                                                                                  | 232.2                                                                                | 54,200                                                                               | 57.9                                                                                  | 234.2                                                                                | 54,500                                                                               | 60.2                                                                                    | 236.7                                                                                  | 52,700                                                                                 | 95                                                                                     |
| 100                                                                                  | 54.0                                                                                  | 228.6                                                                                | 51,600                                                                               | 55.6                                                                                  | 230.8                                                                                | 50,900                                                                               | 58.0                                                                                    | 233.7                                                                                  | 49,200                                                                                 | 100                                                                                    |
| 103                                                                                  | 51.8                                                                                  | 226.3                                                                                | 49,400                                                                               | 53.8                                                                                  | 228.7                                                                                | 49,000                                                                               | 56.2                                                                                    | 231.7                                                                                  | 47,400                                                                                 | 103                                                                                    |
| 105                                                                                  | 51.6                                                                                  | 224.7                                                                                | 48,000                                                                               | 53.3                                                                                  | 227.2                                                                                | 47,700                                                                               | 55.7                                                                                    | 230.4                                                                                  | 46,100                                                                                 | 105                                                                                    |
| 110                                                                                  | 49.1                                                                                  | 220.5                                                                                | 44,800                                                                               | 50.8                                                                                  | 223.2                                                                                | 44,800                                                                               | 53.4                                                                                    | 226.7                                                                                  | 43,300                                                                                 | 110                                                                                    |
| 115                                                                                  | 46.5                                                                                  | 215.9                                                                                | 41,800                                                                               | 48.3                                                                                  | 218.9                                                                                | 42,200                                                                               | 50.9                                                                                    | 222.8                                                                                  | 40,800                                                                                 | 115                                                                                    |
| 120                                                                                  | 43.7                                                                                  | 210.8                                                                                | 39,100                                                                               | 45.7                                                                                  | 214.1                                                                                | 39,900                                                                               | 48.4                                                                                    | 218.5                                                                                  | 38,500                                                                                 | 120                                                                                    |
| 122                                                                                  | 41.8                                                                                  | 208.6                                                                                | 38,100                                                                               | 43.8                                                                                  | 212.1                                                                                | 39,000                                                                               | 46.8                                                                                    | 216.6                                                                                  | 37,700                                                                                 | 122                                                                                    |
| 125                                                                                  | 40.9                                                                                  | 205.2                                                                                | 36,600                                                                               | 42.9                                                                                  | 208.9                                                                                | 37,700                                                                               | 45.8                                                                                    | 213.7                                                                                  | 36,400                                                                                 | 125                                                                                    |
| 130                                                                                  | 37.8                                                                                  | 199.0                                                                                | 34,400                                                                               | 40.0                                                                                  | 203.2                                                                                | 35,700                                                                               | 43.0                                                                                    | 208.5                                                                                  | 34,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 34.6                                                                                  | 192.1                                                                                | 32,500                                                                               | 36.9                                                                                  | 196.7                                                                                | 33,900                                                                               | 40.1                                                                                    | 202.8                                                                                  | 32,700                                                                                 | 135                                                                                    |
| 140                                                                                  | 31.0                                                                                  | 184.2                                                                                | 30,700                                                                               | 33.5                                                                                  | 189.5                                                                                | 32,200                                                                               | 37.0                                                                                    | 196.4                                                                                  | 31,000                                                                                 | 140                                                                                    |
| 141                                                                                  | 29.2                                                                                  | 182.3                                                                                | 30,400                                                                               | 32.2                                                                                  | 187.9                                                                                | 31,800                                                                               | 36.2                                                                                    | 195.0                                                                                  | 30,700                                                                                 | 141                                                                                    |
| 145                                                                                  | 27.0                                                                                  | 174.9                                                                                | 29,200                                                                               | 29.8                                                                                  | 181.3                                                                                | 30,600                                                                               | 33.7                                                                                    | 189.2                                                                                  | 29,500                                                                                 | 145                                                                                    |
| 150                                                                                  | 22.3                                                                                  | 163.8                                                                                | 27,900                                                                               | 25.7                                                                                  | 171.5                                                                                | 29,100                                                                               | 30.0                                                                                    | 181.0                                                                                  | 28,100                                                                                 | 150                                                                                    |
| 155                                                                                  | 16.4                                                                                  | 149.2                                                                                | 27,100                                                                               | 20.7                                                                                  | 159.6                                                                                | 27,700                                                                               | 25.8                                                                                    | 171.4                                                                                  | 26,700                                                                                 | 155                                                                                    |
| 160                                                                                  | 6.2                                                                                   | 123.0                                                                                | 22,300                                                                               | 14.1                                                                                  | 143.1                                                                                | 26,400                                                                               | 20.9                                                                                    | 159.5                                                                                  | 25,500                                                                                 | 160                                                                                    |
| 164                                                                                  |                                                                                       |                                                                                      |                                                                                      | 3.6                                                                                   | 116.0                                                                                | 21,800                                                                               | 15.2                                                                                    | 146.6                                                                                  | 24,500                                                                                 | 164                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 14.5                                                                                    | 143.3                                                                                  | 24,300                                                                                 | 165                                                                                    |
| 169                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.8                                                                                     | 118.5                                                                                  | 23,300                                                                                 | 169                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 174                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 174                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 175                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 183                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 183                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 191                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 191                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 199                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 199                                                                                    |

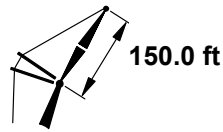
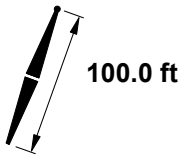


# MLC250 S-2

ASME B30.5



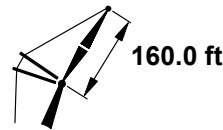
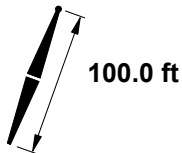
184,600 lb  
+  
44,000 lb

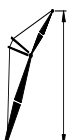
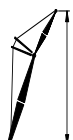
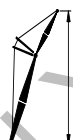


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  | 68.0 | 244.9 | 61,900 |      |       |        |      |       |        |      |       |        | 82  |
| 85  | 66.7 | 243.6 | 59,000 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 64.6 | 241.3 | 54,700 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 62.5 | 238.7 | 50,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 60.3 | 235.9 | 47,600 |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 58.8 | 234.1 | 45,800 | 62.7 | 236.9 | 43,100 |      |       |        |      |       |        | 103 |
| 105 | 58.1 | 232.9 | 44,600 | 61.8 | 235.8 | 42,000 |      |       |        |      |       |        | 105 |
| 110 | 55.8 | 229.6 | 41,800 | 59.6 | 233.0 | 39,400 |      |       |        |      |       |        | 110 |
| 115 | 53.4 | 226.0 | 39,400 | 57.4 | 229.8 | 37,000 |      |       |        |      |       |        | 115 |
| 120 | 51.0 | 222.0 | 37,100 | 55.1 | 226.4 | 34,900 |      |       |        |      |       |        | 120 |
| 122 | 49.2 | 220.3 | 36,300 | 53.8 | 224.9 | 34,100 | 58.0 | 227.8 | 32,000 |      |       |        | 122 |
| 125 | 48.5 | 217.7 | 35,100 | 52.7 | 222.7 | 33,000 | 56.6 | 225.9 | 30,900 |      |       |        | 125 |
| 130 | 45.8 | 213.0 | 33,200 | 50.2 | 218.7 | 31,200 | 54.3 | 222.4 | 29,200 |      |       |        | 130 |
| 135 | 43.1 | 207.8 | 31,500 | 47.7 | 214.2 | 29,500 | 51.9 | 218.5 | 27,600 |      |       |        | 135 |
| 140 | 40.2 | 202.1 | 29,900 | 45.0 | 209.4 | 28,000 | 49.4 | 214.4 | 26,200 |      |       |        | 140 |
| 141 | 39.4 | 200.8 | 29,600 | 44.4 | 208.3 | 27,700 | 48.4 | 213.4 | 25,900 | 52.8 | 216.6 | 24,100 | 141 |
| 145 | 37.1 | 195.7 | 28,400 | 42.2 | 204.0 | 26,600 | 46.8 | 209.8 | 24,800 | 50.9 | 213.4 | 23,100 | 145 |
| 150 | 33.8 | 188.6 | 27,000 | 39.3 | 198.1 | 25,300 | 44.1 | 204.8 | 23,600 | 48.3 | 209.0 | 21,900 | 150 |
| 155 | 30.1 | 180.4 | 25,700 | 36.1 | 191.6 | 24,100 | 41.2 | 199.3 | 22,400 | 45.7 | 204.3 | 20,800 | 155 |
| 160 | 26.0 | 170.8 | 24,500 | 32.7 | 184.1 | 22,900 | 38.2 | 193.1 | 21,300 | 42.9 | 199.1 | 19,800 | 160 |
| 164 | 21.8 | 161.4 | 23,600 | 28.8 | 177.3 | 22,000 | 34.8 | 187.6 | 20,500 | 40.4 | 194.5 | 19,000 | 164 |
| 165 | 21.1 | 159.0 | 23,400 | 28.9 | 175.6 | 21,800 | 35.0 | 186.3 | 20,300 | 40.0 | 193.3 | 18,800 | 165 |
| 169 | 15.4 | 146.3 | 22,500 | 24.8 | 167.4 | 21,000 | 31.6 | 180.0 | 19,500 | 36.8 | 188.2 | 18,100 | 169 |
| 170 | 14.7 | 143.1 | 22,300 | 24.6 | 165.4 | 20,800 | 31.4 | 178.5 | 19,300 | 36.9 | 186.9 | 17,900 | 170 |
| 174 | 5.6  | 119.5 | 21,400 | 20.0 | 155.2 | 20,000 | 27.8 | 171.2 | 18,600 | 33.6 | 181.2 | 17,200 | 174 |
| 175 |      |       |        | 19.4 | 152.7 | 19,800 | 27.5 | 169.4 | 18,400 | 33.6 | 179.7 | 17,000 | 175 |
| 180 |      |       |        | 12.1 | 134.3 | 18,900 | 22.9 | 158.6 | 17,600 | 29.9 | 171.5 | 16,200 | 180 |
| 183 |      |       |        | 2.1  | 108.5 | 18,300 | 19.0 | 150.1 | 17,100 | 26.6 | 165.7 | 15,800 | 183 |
| 185 |      |       |        |      |       |        | 17.2 | 144.5 | 16,700 | 25.7 | 161.8 | 15,400 | 185 |
| 190 |      |       |        |      |       |        | 8.1  | 121.3 | 15,900 | 20.8 | 149.9 | 14,700 | 190 |
| 191 |      |       |        |      |       |        | 4.3  | 111.2 | 15,700 | 18.8 | 146.6 | 14,600 | 191 |
| 195 |      |       |        |      |       |        |      |       |        | 14.3 | 133.6 | 14,000 | 195 |
| 199 |      |       |        |      |       |        |      |       |        | 4.2  | 107.5 | 13,400 | 199 |



184,600 lb  
+  
44,000 lb



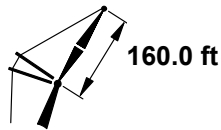
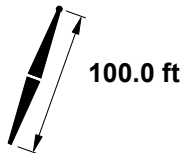
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 51                                                                                | 75.9                                                                                  | 262.9                                                                             | 73,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 51                                                                                  |
| 55                                                                                | 74.4                                                                                  | 261.8                                                                             | 72,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 72.5                                                                                  | 260.3                                                                             | 71,500                                                                            | 73.8                                                                                  | 261.1                                                                             | 79,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 70.6                                                                                  | 258.6                                                                             | 70,600                                                                            | 72.0                                                                                  | 259.5                                                                             | 75,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 68.7                                                                                  | 256.7                                                                             | 68,200                                                                            | 70.1                                                                                  | 257.8                                                                             | 71,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 73                                                                                | 66.8                                                                                  | 255.4                                                                             | 66,100                                                                            | 68.8                                                                                  | 256.6                                                                             | 69,100                                                                            | 70.9                                                                                    | 257.9                                                                               | 73,200                                                                              | 73                                                                                  |
| 75                                                                                | 66.8                                                                                  | 254.6                                                                             | 64,700                                                                            | 68.1                                                                                  | 255.8                                                                             | 67,600                                                                            | 70.1                                                                                    | 257.2                                                                               | 71,400                                                                              | 75                                                                                  |
| 80                                                                                | 64.8                                                                                  | 252.3                                                                             | 61,400                                                                            | 66.2                                                                                  | 253.6                                                                             | 64,100                                                                            | 68.2                                                                                    | 255.3                                                                               | 65,600                                                                              | 80                                                                                  |
| 85                                                                                | 62.8                                                                                  | 249.8                                                                             | 58,300                                                                            | 64.2                                                                                  | 251.3                                                                             | 60,800                                                                            | 66.3                                                                                    | 253.1                                                                               | 60,600                                                                              | 85                                                                                  |
| 86                                                                                | 61.6                                                                                  | 249.2                                                                             | 57,800                                                                            | 63.6                                                                                  | 250.8                                                                             | 60,200                                                                            | 65.6                                                                                    | 252.6                                                                               | 59,700                                                                              | 86                                                                                  |
| 90                                                                                | 60.8                                                                                  | 247.0                                                                             | 55,500                                                                            | 62.2                                                                                  | 248.7                                                                             | 57,800                                                                            | 64.3                                                                                    | 250.8                                                                               | 56,200                                                                              | 90                                                                                  |
| 95                                                                                | 58.7                                                                                  | 244.1                                                                             | 52,900                                                                            | 60.1                                                                                  | 245.9                                                                             | 54,100                                                                            | 62.3                                                                                    | 248.2                                                                               | 52,300                                                                              | 95                                                                                  |
| 100                                                                               | 56.6                                                                                  | 240.8                                                                             | 50,400                                                                            | 58.0                                                                                  | 242.9                                                                             | 50,500                                                                            | 60.2                                                                                    | 245.4                                                                               | 48,800                                                                              | 100                                                                                 |
| 105                                                                               | 54.4                                                                                  | 237.3                                                                             | 47,400                                                                            | 55.9                                                                                  | 239.5                                                                             | 47,300                                                                            | 58.1                                                                                    | 242.4                                                                               | 45,700                                                                              | 105                                                                                 |
| 107                                                                               | 53.2                                                                                  | 235.8                                                                             | 46,200                                                                            | 54.2                                                                                  | 238.1                                                                             | 46,200                                                                            | 56.8                                                                                    | 241.0                                                                               | 44,600                                                                              | 107                                                                                 |
| 110                                                                               | 52.1                                                                                  | 233.5                                                                             | 44,300                                                                            | 53.7                                                                                  | 236.0                                                                             | 44,400                                                                            | 56.0                                                                                    | 239.1                                                                               | 42,900                                                                              | 110                                                                                 |
| 115                                                                               | 49.8                                                                                  | 229.4                                                                             | 41,500                                                                            | 51.4                                                                                  | 232.1                                                                             | 41,800                                                                            | 53.8                                                                                    | 235.5                                                                               | 40,400                                                                              | 115                                                                                 |
| 120                                                                               | 47.4                                                                                  | 224.9                                                                             | 38,900                                                                            | 49.1                                                                                  | 227.8                                                                             | 39,500                                                                            | 51.5                                                                                    | 231.6                                                                               | 38,100                                                                              | 120                                                                                 |
| 125                                                                               | 44.9                                                                                  | 220.1                                                                             | 36,500                                                                            | 46.7                                                                                  | 223.2                                                                             | 37,300                                                                            | 49.2                                                                                    | 227.4                                                                               | 36,000                                                                              | 125                                                                                 |
| 128                                                                               | 42.8                                                                                  | 216.8                                                                             | 35,200                                                                            | 44.8                                                                                  | 220.2                                                                             | 36,100                                                                            | 47.2                                                                                    | 224.6                                                                               | 34,800                                                                              | 128                                                                                 |
| 130                                                                               | 42.3                                                                                  | 214.7                                                                             | 34,300                                                                            | 44.1                                                                                  | 218.2                                                                             | 35,300                                                                            | 46.8                                                                                    | 222.8                                                                               | 34,000                                                                              | 130                                                                                 |
| 135                                                                               | 39.5                                                                                  | 208.8                                                                             | 32,300                                                                            | 41.5                                                                                  | 212.7                                                                             | 33,500                                                                            | 44.2                                                                                    | 217.8                                                                               | 32,300                                                                              | 135                                                                                 |
| 140                                                                               | 36.6                                                                                  | 202.4                                                                             | 30,500                                                                            | 38.6                                                                                  | 206.7                                                                             | 31,800                                                                            | 41.6                                                                                    | 212.3                                                                               | 30,600                                                                              | 140                                                                                 |
| 145                                                                               | 33.4                                                                                  | 195.1                                                                             | 28,900                                                                            | 35.6                                                                                  | 200.0                                                                             | 30,200                                                                            | 38.8                                                                                    | 206.3                                                                               | 29,100                                                                              | 145                                                                                 |
| 147                                                                               | 31.4                                                                                  | 191.8                                                                             | 28,300                                                                            | 33.8                                                                                  | 197.0                                                                             | 29,600                                                                            | 36.8                                                                                    | 203.6                                                                               | 28,500                                                                              | 147                                                                                 |
| 150                                                                               | 30.0                                                                                  | 186.8                                                                             | 27,500                                                                            | 32.4                                                                                  | 192.4                                                                             | 28,800                                                                            | 35.8                                                                                    | 199.6                                                                               | 27,700                                                                              | 150                                                                                 |
| 155                                                                               | 26.1                                                                                  | 177.3                                                                             | 26,200                                                                            | 28.8                                                                                  | 183.8                                                                             | 27,400                                                                            | 32.5                                                                                    | 192.1                                                                               | 26,400                                                                              | 155                                                                                 |
| 160                                                                               | 21.6                                                                                  | 165.7                                                                             | 25,200                                                                            | 24.8                                                                                  | 173.7                                                                             | 26,100                                                                            | 29.0                                                                                    | 183.6                                                                               | 25,100                                                                              | 160                                                                                 |
| 165                                                                               | 15.9                                                                                  | 150.5                                                                             | 24,200                                                                            | 20.0                                                                                  | 161.3                                                                             | 24,900                                                                            | 25.0                                                                                    | 173.6                                                                               | 23,900                                                                              | 165                                                                                 |
| 170                                                                               | 6.0                                                                                   | 123.5                                                                             | 19,600                                                                            | 13.7                                                                                  | 144.3                                                                             | 23,700                                                                            | 20.2                                                                                    | 161.3                                                                               | 22,800                                                                              | 170                                                                                 |
| 174                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.5                                                                                   | 116.3                                                                             | 19,200                                                                            | 14.4                                                                                    | 147.9                                                                               | 22,000                                                                              | 174                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 14.0                                                                                    | 144.5                                                                               | 21,800                                                                              | 175                                                                                 |
| 179                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.6                                                                                     | 118.8                                                                               | 20,900                                                                              | 179                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 184                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 184                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 193                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 193                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 201                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 201                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 209                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 209                                                                                 |

# MLC250 S-2

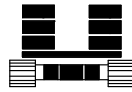
ASME B30.5



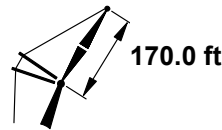
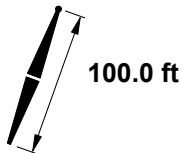
184,600 lb  
+  
44,000 lb

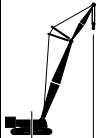
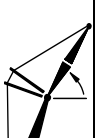
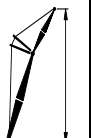
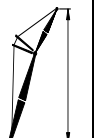
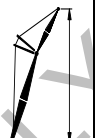
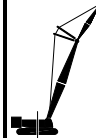


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 86  | 67.9 | 254.0 | 57,600 |      |       |        |      |       |        |      |       |        | 86  |
| 90  | 66.3 | 252.3 | 54,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.4 | 250.0 | 50,500 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.3 | 247.4 | 47,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 60.3 | 244.6 | 44,100 |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 59.2 | 243.4 | 43,000 | 62.9 | 246.1 | 40,400 |      |       |        |      |       |        | 107 |
| 110 | 58.2 | 241.6 | 41,400 | 61.7 | 244.5 | 38,900 |      |       |        |      |       |        | 110 |
| 115 | 56.1 | 238.3 | 38,900 | 59.7 | 241.6 | 36,500 |      |       |        |      |       |        | 115 |
| 120 | 53.9 | 234.7 | 36,700 | 57.6 | 238.5 | 34,400 |      |       |        |      |       |        | 120 |
| 125 | 51.6 | 230.8 | 34,700 | 55.4 | 235.1 | 32,500 |      |       |        |      |       |        | 125 |
| 128 | 49.8 | 228.3 | 33,500 | 53.8 | 232.9 | 31,400 | 57.7 | 235.9 | 29,300 |      |       |        | 128 |
| 130 | 49.3 | 226.6 | 32,800 | 53.2 | 231.5 | 30,700 | 56.8 | 234.6 | 28,600 |      |       |        | 130 |
| 135 | 46.8 | 222.1 | 31,100 | 50.9 | 227.5 | 29,100 | 54.6 | 231.1 | 27,100 |      |       |        | 135 |
| 140 | 44.3 | 217.1 | 29,500 | 48.5 | 223.2 | 27,500 | 52.4 | 227.3 | 25,600 |      |       |        | 140 |
| 145 | 41.7 | 211.6 | 28,000 | 46.1 | 218.5 | 26,100 | 50.1 | 223.3 | 24,300 |      |       |        | 145 |
| 147 | 39.8 | 209.2 | 27,400 | 44.8 | 216.5 | 25,600 | 48.8 | 221.5 | 23,800 | 52.8 | 224.6 | 22,100 | 147 |
| 150 | 38.9 | 205.6 | 26,600 | 43.5 | 213.4 | 24,800 | 47.7 | 218.8 | 23,100 | 51.5 | 222.2 | 21,400 | 150 |
| 155 | 35.9 | 199.0 | 25,300 | 40.8 | 207.8 | 23,600 | 45.2 | 214.0 | 21,900 | 49.1 | 218.0 | 20,300 | 155 |
| 160 | 32.7 | 191.5 | 24,100 | 38.0 | 201.6 | 22,500 | 42.6 | 208.7 | 20,800 | 46.7 | 213.4 | 19,200 | 160 |
| 165 | 29.1 | 183.0 | 23,000 | 34.9 | 194.7 | 21,400 | 39.8 | 202.9 | 19,800 | 44.2 | 208.4 | 18,300 | 165 |
| 170 | 25.1 | 173.0 | 21,900 | 31.6 | 186.9 | 20,400 | 36.9 | 196.5 | 18,900 | 41.5 | 202.9 | 17,400 | 170 |
| 174 | 21.0 | 163.3 | 21,100 | 27.8 | 179.8 | 19,600 | 33.6 | 190.7 | 18,100 | 38.6 | 198.1 | 16,700 | 174 |
| 175 | 20.4 | 160.8 | 20,900 | 28.0 | 178.0 | 19,400 | 33.8 | 189.3 | 18,000 | 38.7 | 196.9 | 16,500 | 175 |
| 179 | 15.2 | 147.6 | 20,100 | 23.8 | 169.6 | 18,700 | 30.6 | 182.8 | 17,300 | 35.6 | 191.5 | 15,900 | 179 |
| 180 | 14.2 | 144.3 | 19,900 | 23.8 | 167.5 | 18,500 | 30.4 | 181.2 | 17,100 | 35.7 | 190.2 | 15,700 | 180 |
| 184 | 5.4  | 120.0 | 19,100 | 19.0 | 157.0 | 17,800 | 26.8 | 173.7 | 16,500 | 32.6 | 184.1 | 15,100 | 184 |
| 185 |      |       |        | 18.7 | 154.3 | 17,700 | 26.6 | 171.8 | 16,300 | 32.5 | 182.6 | 15,000 | 185 |
| 190 |      |       |        | 11.7 | 135.3 | 16,800 | 22.2 | 160.5 | 15,500 | 28.9 | 174.1 | 14,200 | 190 |
| 193 |      |       |        | 2.0  | 108.6 | 16,200 | 18.4 | 151.7 | 15,100 | 25.6 | 168.0 | 13,800 | 193 |
| 195 |      |       |        |      |       |        | 16.6 | 145.9 | 14,800 | 24.9 | 164.0 | 13,500 | 195 |
| 200 |      |       |        |      |       |        | 7.8  | 121.9 | 14,000 | 20.1 | 151.6 | 12,900 | 200 |
| 201 |      |       |        |      |       |        | 4.1  | 111.5 | 13,900 | 18.6 | 148.3 | 12,800 | 201 |
| 205 |      |       |        |      |       |        |      |       |        | 13.8 | 134.7 | 12,200 | 205 |
| 209 |      |       |        |      |       |        |      |       |        | 4.0  | 107.8 | 11,700 | 209 |



184,600 lb  
+  
44,000 lb



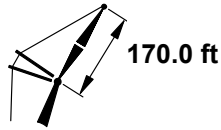
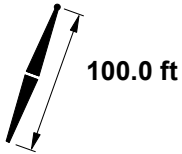
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 54                                                                                | 75.7                                                                                  | 272.5                                                                             | 66,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 54                                                                                  |
| 55                                                                                | 75.3                                                                                  | 272.2                                                                             | 66,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 73.6                                                                                  | 270.8                                                                             | 65,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 63                                                                                | 71.8                                                                                  | 269.8                                                                             | 64,600                                                                            | 73.8                                                                                  | 270.6                                                                             | 74,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 63                                                                                  |
| 65                                                                                | 71.8                                                                                  | 269.2                                                                             | 64,300                                                                            | 73.1                                                                                  | 270.0                                                                             | 73,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 70.0                                                                                  | 267.4                                                                             | 63,500                                                                            | 71.3                                                                                  | 268.4                                                                             | 69,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 68.2                                                                                  | 265.4                                                                             | 62,700                                                                            | 69.5                                                                                  | 266.6                                                                             | 65,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 67.6                                                                                  | 265.0                                                                             | 62,200                                                                            | 68.6                                                                                  | 266.1                                                                             | 65,200                                                                            | 71.0                                                                                    | 267.5                                                                               | 68,900                                                                              | 76                                                                                  |
| 80                                                                                | 66.4                                                                                  | 263.3                                                                             | 60,000                                                                            | 67.7                                                                                  | 264.5                                                                             | 62,600                                                                            | 69.6                                                                                    | 266.0                                                                               | 65,200                                                                              | 80                                                                                  |
| 85                                                                                | 64.5                                                                                  | 261.0                                                                             | 57,000                                                                            | 65.8                                                                                  | 262.4                                                                             | 59,500                                                                            | 67.7                                                                                    | 264.0                                                                               | 60,200                                                                              | 85                                                                                  |
| 90                                                                                | 62.7                                                                                  | 258.4                                                                             | 54,300                                                                            | 64.0                                                                                  | 260.0                                                                             | 56,600                                                                            | 65.9                                                                                    | 261.8                                                                               | 55,800                                                                              | 90                                                                                  |
| 95                                                                                | 60.7                                                                                  | 255.7                                                                             | 51,800                                                                            | 62.1                                                                                  | 257.4                                                                             | 53,700                                                                            | 64.0                                                                                    | 259.4                                                                               | 51,900                                                                              | 95                                                                                  |
| 100                                                                               | 58.8                                                                                  | 252.7                                                                             | 49,400                                                                            | 60.1                                                                                  | 254.6                                                                             | 50,200                                                                            | 62.1                                                                                    | 256.9                                                                               | 48,400                                                                              | 100                                                                                 |
| 105                                                                               | 56.8                                                                                  | 249.5                                                                             | 46,600                                                                            | 58.2                                                                                  | 251.5                                                                             | 47,000                                                                            | 60.2                                                                                    | 254.1                                                                               | 45,400                                                                              | 105                                                                                 |
| 110                                                                               | 54.7                                                                                  | 246.1                                                                             | 43,700                                                                            | 56.1                                                                                  | 248.2                                                                             | 44,100                                                                            | 58.2                                                                                    | 251.0                                                                               | 42,600                                                                              | 110                                                                                 |
| 112                                                                               | 53.2                                                                                  | 244.6                                                                             | 42,700                                                                            | 55.2                                                                                  | 246.8                                                                             | 43,100                                                                            | 57.2                                                                                    | 249.7                                                                               | 41,600                                                                              | 112                                                                                 |
| 115                                                                               | 52.6                                                                                  | 242.3                                                                             | 41,100                                                                            | 54.1                                                                                  | 244.7                                                                             | 41,500                                                                            | 56.2                                                                                    | 247.8                                                                               | 40,000                                                                              | 115                                                                                 |
| 120                                                                               | 50.4                                                                                  | 238.3                                                                             | 38,600                                                                            | 52.0                                                                                  | 240.9                                                                             | 39,100                                                                            | 54.2                                                                                    | 244.2                                                                               | 37,700                                                                              | 120                                                                                 |
| 125                                                                               | 48.2                                                                                  | 233.9                                                                             | 36,300                                                                            | 49.8                                                                                  | 236.7                                                                             | 37,000                                                                            | 52.0                                                                                    | 240.4                                                                               | 35,600                                                                              | 125                                                                                 |
| 130                                                                               | 45.9                                                                                  | 229.2                                                                             | 34,200                                                                            | 47.5                                                                                  | 232.3                                                                             | 35,000                                                                            | 49.9                                                                                    | 236.3                                                                               | 33,700                                                                              | 130                                                                                 |
| 133                                                                               | 43.8                                                                                  | 226.1                                                                             | 33,000                                                                            | 45.8                                                                                  | 229.4                                                                             | 33,900                                                                            | 47.8                                                                                    | 233.6                                                                               | 32,600                                                                              | 133                                                                                 |
| 135                                                                               | 43.5                                                                                  | 224.1                                                                             | 32,200                                                                            | 45.2                                                                                  | 227.4                                                                             | 33,200                                                                            | 47.6                                                                                    | 231.8                                                                               | 31,900                                                                              | 135                                                                                 |
| 140                                                                               | 40.9                                                                                  | 218.5                                                                             | 30,400                                                                            | 42.7                                                                                  | 222.2                                                                             | 31,500                                                                            | 45.3                                                                                    | 227.0                                                                               | 30,300                                                                              | 140                                                                                 |
| 145                                                                               | 38.3                                                                                  | 212.3                                                                             | 28,700                                                                            | 40.2                                                                                  | 216.4                                                                             | 29,900                                                                            | 42.8                                                                                    | 221.8                                                                               | 28,800                                                                              | 145                                                                                 |
| 150                                                                               | 35.4                                                                                  | 205.6                                                                             | 27,300                                                                            | 37.4                                                                                  | 210.1                                                                             | 28,500                                                                            | 40.3                                                                                    | 216.0                                                                               | 27,400                                                                              | 150                                                                                 |
| 153                                                                               | 33.2                                                                                  | 201.0                                                                             | 26,500                                                                            | 35.2                                                                                  | 205.9                                                                             | 27,600                                                                            | 38.2                                                                                    | 212.2                                                                               | 26,600                                                                              | 153                                                                                 |
| 155                                                                               | 32.4                                                                                  | 198.0                                                                             | 25,900                                                                            | 34.5                                                                                  | 203.1                                                                             | 27,100                                                                            | 37.5                                                                                    | 209.7                                                                               | 26,000                                                                              | 155                                                                                 |
| 160                                                                               | 29.0                                                                                  | 189.4                                                                             | 24,700                                                                            | 31.4                                                                                  | 195.3                                                                             | 25,800                                                                            | 34.7                                                                                    | 202.8                                                                               | 24,800                                                                              | 160                                                                                 |
| 165                                                                               | 25.3                                                                                  | 179.5                                                                             | 23,700                                                                            | 28.0                                                                                  | 186.3                                                                             | 24,600                                                                            | 31.5                                                                                    | 195.0                                                                               | 23,600                                                                              | 165                                                                                 |
| 170                                                                               | 20.9                                                                                  | 167.5                                                                             | 22,900                                                                            | 24.0                                                                                  | 175.9                                                                             | 23,500                                                                            | 28.1                                                                                    | 186.1                                                                               | 22,500                                                                              | 170                                                                                 |
| 175                                                                               | 15.4                                                                                  | 151.9                                                                             | 21,400                                                                            | 19.4                                                                                  | 163.0                                                                             | 22,400                                                                            | 24.2                                                                                    | 175.7                                                                               | 21,500                                                                              | 175                                                                                 |
| 180                                                                               | 5.8                                                                                   | 123.9                                                                             | 17,200                                                                            | 13.2                                                                                  | 145.5                                                                             | 21,000                                                                            | 19.6                                                                                    | 163.0                                                                               | 20,500                                                                              | 180                                                                                 |
| 184                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.4                                                                                   | 116.5                                                                             | 16,900                                                                            | 14.2                                                                                    | 149.2                                                                               | 19,800                                                                              | 184                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.5                                                                                    | 145.7                                                                               | 19,600                                                                              | 185                                                                                 |
| 189                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.5                                                                                     | 119.2                                                                               | 18,600                                                                              | 189                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 194                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 194                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 203                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 203                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 211                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 211                                                                                 |
| 219                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 219                                                                                 |

# MLC250 S-2

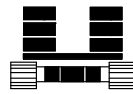
ASME B30.5



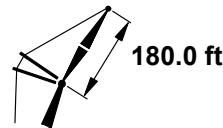
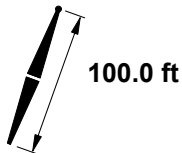
184,600 lb  
+  
44,000 lb

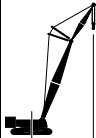
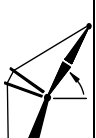
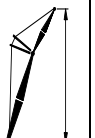
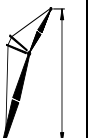
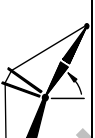


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 67.8 | 263.2 | 53,900 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 66.0 | 261.0 | 50,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.1 | 258.6 | 46,700 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.2 | 256.1 | 43,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 60.3 | 253.3 | 41,000 |      |       |        |      |       |        |      |       |        | 110 |
| 112 | 59.2 | 252.1 | 40,000 | 62.8 | 254.8 | 37,500 |      |       |        |      |       |        | 112 |
| 115 | 58.3 | 250.2 | 38,600 | 61.6 | 253.1 | 36,100 |      |       |        |      |       |        | 115 |
| 120 | 56.3 | 247.0 | 36,300 | 59.7 | 250.3 | 34,000 |      |       |        |      |       |        | 120 |
| 125 | 54.2 | 243.5 | 34,300 | 57.7 | 247.2 | 32,100 |      |       |        |      |       |        | 125 |
| 130 | 52.1 | 239.7 | 32,400 | 55.7 | 243.9 | 30,300 |      |       |        |      |       |        | 130 |
| 133 | 50.2 | 237.2 | 31,400 | 53.8 | 241.7 | 29,300 | 57.8 | 244.6 | 27,300 |      |       |        | 133 |
| 135 | 49.9 | 235.5 | 30,700 | 53.6 | 240.2 | 28,700 | 57.0 | 243.2 | 26,700 |      |       |        | 135 |
| 140 | 47.7 | 231.1 | 29,100 | 51.5 | 236.4 | 27,200 | 55.0 | 239.8 | 25,200 |      |       |        | 140 |
| 145 | 45.3 | 226.3 | 27,600 | 49.3 | 232.1 | 25,800 | 52.9 | 236.1 | 23,900 |      |       |        | 145 |
| 150 | 42.9 | 221.0 | 26,300 | 47.0 | 227.6 | 24,500 | 50.7 | 232.1 | 22,700 |      |       |        | 150 |
| 153 | 40.8 | 217.6 | 25,500 | 44.8 | 224.6 | 23,700 | 48.8 | 229.5 | 22,000 | 52.9 | 232.6 | 20,300 | 153 |
| 155 | 40.3 | 215.3 | 25,000 | 44.6 | 222.7 | 23,200 | 48.5 | 227.8 | 21,500 | 52.0 | 231.0 | 19,900 | 155 |
| 160 | 37.6 | 209.1 | 23,800 | 42.1 | 217.3 | 22,100 | 46.2 | 223.1 | 20,500 | 49.8 | 226.9 | 18,900 | 160 |
| 165 | 34.8 | 202.1 | 22,700 | 39.5 | 211.4 | 21,000 | 43.8 | 218.0 | 19,400 | 47.6 | 222.4 | 17,900 | 165 |
| 170 | 31.6 | 194.3 | 21,600 | 36.8 | 204.9 | 20,000 | 41.2 | 212.5 | 18,500 | 45.2 | 217.6 | 17,000 | 170 |
| 175 | 28.2 | 185.5 | 20,600 | 33.8 | 197.8 | 19,100 | 38.6 | 206.4 | 17,600 | 42.8 | 212.3 | 16,200 | 175 |
| 180 | 24.3 | 175.2 | 19,700 | 30.6 | 189.7 | 18,200 | 35.8 | 199.7 | 16,800 | 40.2 | 206.6 | 15,400 | 180 |
| 184 | 20.0 | 165.1 | 18,900 | 27.6 | 182.3 | 17,500 | 32.6 | 193.7 | 16,100 | 37.6 | 201.5 | 14,800 | 184 |
| 185 | 19.8 | 162.6 | 18,800 | 27.1 | 180.4 | 17,400 | 32.7 | 192.3 | 16,000 | 37.5 | 200.3 | 14,600 | 185 |
| 189 | 14.2 | 148.9 | 18,100 | 23.8 | 171.7 | 16,700 | 29.6 | 185.5 | 15,400 | 34.6 | 194.7 | 14,000 | 189 |
| 190 | 13.8 | 145.5 | 17,900 | 23.0 | 169.5 | 16,500 | 29.4 | 183.8 | 15,200 | 34.6 | 193.3 | 13,900 | 190 |
| 194 | 5.2  | 120.4 | 17,200 | 19.0 | 158.6 | 15,900 | 25.8 | 176.0 | 14,600 | 31.6 | 187.0 | 13,300 | 194 |
| 195 |      |       |        | 18.2 | 155.9 | 15,800 | 25.8 | 174.1 | 14,500 | 31.5 | 185.5 | 13,200 | 195 |
| 200 |      |       |        | 11.3 | 136.3 | 15,000 | 21.5 | 162.4 | 13,800 | 28.0 | 176.6 | 12,600 | 200 |
| 203 |      |       |        | 2.0  | 108.7 | 14,500 | 18.0 | 153.3 | 13,400 | 25.6 | 170.3 | 12,200 | 203 |
| 205 |      |       |        |      |       |        | 16.1 | 147.3 | 13,100 | 24.1 | 166.1 | 11,900 | 205 |
| 210 |      |       |        |      |       |        | 7.6  | 122.5 | 12,400 | 19.5 | 153.3 | 11,300 | 210 |
| 211 |      |       |        |      |       |        | 4.0  | 111.8 | 12,300 | 17.2 | 148.3 | 11,200 | 211 |
| 219 |      |       |        |      |       |        |      |       |        | 3.9  | 108.1 | 10,200 | 219 |



184,600 lb  
+  
44,000 lb



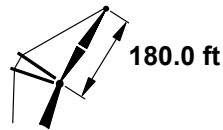
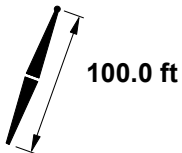
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 56                                                                                   | 75.9                                                                                  | 282.3                                                                                | 59,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 56                                                                                     |
| 60                                                                                   | 74.5                                                                                  | 281.2                                                                                | 59,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 72.9                                                                                  | 279.7                                                                                | 58,700                                                                               | 74.0                                                                                  | 280.5                                                                                | 67,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 71.2                                                                                  | 278.0                                                                                | 57,900                                                                               | 72.4                                                                                  | 278.9                                                                                | 66,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 69.5                                                                                  | 276.2                                                                                | 57,200                                                                               | 70.7                                                                                  | 277.2                                                                                | 63,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 67.8                                                                                  | 274.2                                                                                | 56,500                                                                               | 69.0                                                                                  | 275.3                                                                                | 60,700                                                                               | 70.7                                                                                    | 276.7                                                                                  | 64,200                                                                                 | 80                                                                                     |
| 85                                                                                   | 66.1                                                                                  | 272.0                                                                                | 55,500                                                                               | 67.3                                                                                  | 273.3                                                                                | 57,800                                                                               | 69.1                                                                                    | 274.8                                                                                  | 59,800                                                                                 | 85                                                                                     |
| 90                                                                                   | 64.3                                                                                  | 269.7                                                                                | 52,900                                                                               | 65.5                                                                                  | 271.1                                                                                | 55,100                                                                               | 67.3                                                                                    | 272.8                                                                                  | 55,400                                                                                 | 90                                                                                     |
| 94                                                                                   | 62.4                                                                                  | 267.6                                                                                | 50,900                                                                               | 63.4                                                                                  | 269.1                                                                                | 53,100                                                                               | 65.4                                                                                    | 271.0                                                                                  | 52,200                                                                                 | 94                                                                                     |
| 95                                                                                   | 62.5                                                                                  | 267.1                                                                                | 50,400                                                                               | 63.8                                                                                  | 268.6                                                                                | 52,600                                                                               | 65.6                                                                                    | 270.5                                                                                  | 51,500                                                                                 | 95                                                                                     |
| 100                                                                                  | 60.7                                                                                  | 264.4                                                                                | 48,200                                                                               | 62.0                                                                                  | 266.0                                                                                | 49,800                                                                               | 63.8                                                                                    | 268.1                                                                                  | 48,000                                                                                 | 100                                                                                    |
| 105                                                                                  | 58.8                                                                                  | 261.4                                                                                | 45,500                                                                               | 60.1                                                                                  | 263.2                                                                                | 46,600                                                                               | 62.0                                                                                    | 265.5                                                                                  | 44,900                                                                                 | 105                                                                                    |
| 110                                                                                  | 57.0                                                                                  | 258.2                                                                                | 42,900                                                                               | 58.3                                                                                  | 260.2                                                                                | 43,700                                                                               | 60.2                                                                                    | 262.7                                                                                  | 42,100                                                                                 | 110                                                                                    |
| 115                                                                                  | 55.0                                                                                  | 254.8                                                                                | 40,400                                                                               | 56.4                                                                                  | 256.9                                                                                | 41,100                                                                               | 58.3                                                                                    | 259.7                                                                                  | 39,600                                                                                 | 115                                                                                    |
| 116                                                                                  | 54.6                                                                                  | 254.0                                                                                | 40,000                                                                               | 55.6                                                                                  | 256.2                                                                                | 40,600                                                                               | 57.6                                                                                    | 259.1                                                                                  | 39,100                                                                                 | 116                                                                                    |
| 120                                                                                  | 53.0                                                                                  | 251.1                                                                                | 38,100                                                                               | 54.4                                                                                  | 253.4                                                                                | 38,700                                                                               | 56.4                                                                                    | 256.5                                                                                  | 37,300                                                                                 | 120                                                                                    |
| 125                                                                                  | 51.0                                                                                  | 247.1                                                                                | 35,900                                                                               | 52.4                                                                                  | 249.7                                                                                | 36,600                                                                               | 54.5                                                                                    | 253.0                                                                                  | 35,200                                                                                 | 125                                                                                    |
| 130                                                                                  | 48.9                                                                                  | 242.9                                                                                | 33,900                                                                               | 50.4                                                                                  | 245.6                                                                                | 34,600                                                                               | 52.5                                                                                    | 249.2                                                                                  | 33,300                                                                                 | 130                                                                                    |
| 135                                                                                  | 46.8                                                                                  | 238.3                                                                                | 32,000                                                                               | 48.3                                                                                  | 241.3                                                                                | 32,800                                                                               | 50.5                                                                                    | 245.2                                                                                  | 31,500                                                                                 | 135                                                                                    |
| 138                                                                                  | 44.8                                                                                  | 235.3                                                                                | 30,900                                                                               | 46.8                                                                                  | 238.4                                                                                | 31,800                                                                               | 48.8                                                                                    | 242.6                                                                                  | 30,500                                                                                 | 138                                                                                    |
| 140                                                                                  | 44.5                                                                                  | 233.3                                                                                | 30,200                                                                               | 46.1                                                                                  | 236.6                                                                                | 31,100                                                                               | 48.4                                                                                    | 240.8                                                                                  | 29,900                                                                                 | 140                                                                                    |
| 145                                                                                  | 42.2                                                                                  | 227.9                                                                                | 28,600                                                                               | 43.8                                                                                  | 231.5                                                                                | 29,500                                                                               | 46.2                                                                                    | 236.1                                                                                  | 28,400                                                                                 | 145                                                                                    |
| 150                                                                                  | 39.7                                                                                  | 222.1                                                                                | 27,100                                                                               | 41.5                                                                                  | 226.0                                                                                | 28,100                                                                               | 43.9                                                                                    | 231.1                                                                                  | 26,900                                                                                 | 150                                                                                    |
| 155                                                                                  | 37.1                                                                                  | 215.7                                                                                | 25,700                                                                               | 39.0                                                                                  | 220.0                                                                                | 26,700                                                                               | 41.5                                                                                    | 225.6                                                                                  | 25,600                                                                                 | 155                                                                                    |
| 159                                                                                  | 34.6                                                                                  | 210.1                                                                                | 24,800                                                                               | 36.4                                                                                  | 214.7                                                                                | 25,700                                                                               | 39.4                                                                                    | 220.8                                                                                  | 24,600                                                                                 | 159                                                                                    |
| 160                                                                                  | 34.4                                                                                  | 208.7                                                                                | 24,500                                                                               | 36.3                                                                                  | 213.4                                                                                | 25,400                                                                               | 39.1                                                                                    | 219.6                                                                                  | 24,400                                                                                 | 160                                                                                    |
| 165                                                                                  | 31.4                                                                                  | 200.8                                                                                | 23,400                                                                               | 33.5                                                                                  | 206.1                                                                                | 24,200                                                                               | 36.4                                                                                    | 213.0                                                                                  | 23,200                                                                                 | 165                                                                                    |
| 170                                                                                  | 28.2                                                                                  | 191.9                                                                                | 22,400                                                                               | 30.5                                                                                  | 198.0                                                                                | 23,100                                                                               | 33.6                                                                                    | 205.8                                                                                  | 22,200                                                                                 | 170                                                                                    |
| 175                                                                                  | 24.6                                                                                  | 181.7                                                                                | 21,600                                                                               | 27.1                                                                                  | 188.7                                                                                | 22,100                                                                               | 30.6                                                                                    | 197.7                                                                                  | 21,100                                                                                 | 175                                                                                    |
| 180                                                                                  | 20.3                                                                                  | 169.3                                                                                | 20,500                                                                               | 23.3                                                                                  | 177.9                                                                                | 21,100                                                                               | 27.3                                                                                    | 188.5                                                                                  | 20,200                                                                                 | 180                                                                                    |
| 185                                                                                  | 14.9                                                                                  | 153.2                                                                                | 18,800                                                                               | 18.8                                                                                  | 164.7                                                                                | 20,100                                                                               | 23.5                                                                                    | 177.8                                                                                  | 19,200                                                                                 | 185                                                                                    |
| 190                                                                                  | 5.6                                                                                   | 124.4                                                                                | 14,900                                                                               | 12.9                                                                                  | 146.6                                                                                | 18,400                                                                               | 19.0                                                                                    | 164.6                                                                                  | 18,400                                                                                 | 190                                                                                    |
| 194                                                                                  |                                                                                       |                                                                                      |                                                                                      | 3.3                                                                                   | 116.8                                                                                | 14,600                                                                               | 14.2                                                                                    | 150.4                                                                                  | 17,700                                                                                 | 194                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 13.1                                                                                    | 146.8                                                                                  | 17,500                                                                                 | 195                                                                                    |
| 199                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.4                                                                                     | 119.5                                                                                  | 16,200                                                                                 | 199                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 204                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 204                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 213                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 213                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 221                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 221                                                                                    |
| 229                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 229                                                                                    |

# MLC250 S-2

ASME B30.5



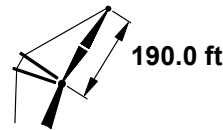
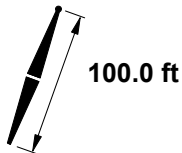
184,600 lb  
+  
44,000 lb

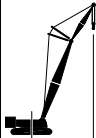
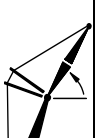
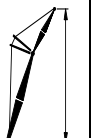
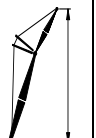
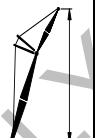
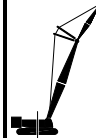


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 94  | 67.7 | 272.4 | 50,300 |      |       |        |      |       |        |      |       |        | 94  |
| 95  | 67.4 | 271.9 | 49,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.6 | 269.7 | 46,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.9 | 267.3 | 43,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 62.1 | 264.7 | 40,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 60.3 | 261.9 | 38,100 |      |       |        |      |       |        |      |       |        | 115 |
| 116 | 59.6 | 261.3 | 37,700 | 63.0 | 264.0 | 35,200 |      |       |        |      |       |        | 116 |
| 120 | 58.4 | 258.9 | 35,900 | 61.5 | 261.8 | 33,500 |      |       |        |      |       |        | 120 |
| 125 | 56.5 | 255.7 | 33,800 | 59.7 | 258.9 | 31,600 |      |       |        |      |       |        | 125 |
| 130 | 54.6 | 252.2 | 32,000 | 57.8 | 255.9 | 29,800 |      |       |        |      |       |        | 130 |
| 135 | 52.6 | 248.4 | 30,300 | 55.9 | 252.6 | 28,200 |      |       |        |      |       |        | 135 |
| 138 | 50.8 | 246.0 | 29,300 | 53.8 | 250.4 | 27,300 | 57.9 | 253.2 | 25,300 |      |       |        | 138 |
| 140 | 50.5 | 244.4 | 28,700 | 54.0 | 249.0 | 26,700 | 57.2 | 251.9 | 24,700 |      |       |        | 140 |
| 145 | 48.4 | 240.1 | 27,200 | 52.0 | 245.2 | 25,300 | 55.2 | 248.5 | 23,400 |      |       |        | 145 |
| 150 | 46.2 | 235.4 | 25,800 | 49.9 | 241.0 | 24,000 | 53.3 | 244.9 | 22,200 |      |       |        | 150 |
| 155 | 44.0 | 230.3 | 24,500 | 47.8 | 236.6 | 22,800 | 51.3 | 240.9 | 21,000 |      |       |        | 155 |
| 159 | 41.4 | 226.0 | 23,600 | 45.4 | 232.8 | 21,900 | 49.4 | 237.6 | 20,200 | 52.9 | 240.6 | 18,500 | 159 |
| 160 | 41.6 | 224.9 | 23,400 | 45.6 | 231.8 | 21,600 | 49.2 | 236.7 | 19,900 | 52.5 | 239.8 | 18,300 | 160 |
| 165 | 39.1 | 218.9 | 22,200 | 43.3 | 226.6 | 20,600 | 47.0 | 232.2 | 18,900 | 50.4 | 235.8 | 17,400 | 165 |
| 170 | 36.5 | 212.4 | 21,200 | 40.9 | 221.0 | 19,600 | 44.8 | 227.3 | 18,000 | 48.3 | 231.4 | 16,500 | 170 |
| 175 | 33.7 | 205.1 | 20,200 | 38.4 | 214.9 | 18,600 | 42.5 | 221.9 | 17,100 | 46.1 | 226.7 | 15,600 | 175 |
| 180 | 30.7 | 197.1 | 19,300 | 35.7 | 208.2 | 17,800 | 40.0 | 216.1 | 16,300 | 43.9 | 221.6 | 14,800 | 180 |
| 185 | 27.4 | 187.9 | 18,400 | 32.8 | 200.7 | 16,900 | 37.5 | 209.8 | 15,500 | 41.5 | 216.1 | 14,100 | 185 |
| 190 | 23.6 | 177.3 | 17,500 | 29.7 | 192.3 | 16,100 | 34.7 | 202.9 | 14,700 | 39.0 | 210.1 | 13,400 | 190 |
| 194 | 19.8 | 166.8 | 16,900 | 26.6 | 184.7 | 15,500 | 31.6 | 196.7 | 14,200 | 36.6 | 204.9 | 12,800 | 194 |
| 195 | 19.2 | 164.2 | 16,700 | 26.3 | 182.8 | 15,400 | 31.8 | 195.1 | 14,000 | 36.4 | 203.6 | 12,700 | 195 |
| 199 | 14.2 | 150.2 | 16,100 | 22.8 | 173.8 | 14,800 | 28.6 | 188.1 | 13,500 | 33.6 | 197.8 | 12,200 | 199 |
| 200 | 13.4 | 146.6 | 15,900 | 22.4 | 171.5 | 14,600 | 28.6 | 186.4 | 13,300 | 33.6 | 196.3 | 12,100 | 200 |
| 204 | 5.0  | 120.8 | 15,300 | 18.0 | 160.3 | 14,100 | 25.6 | 178.3 | 12,800 | 30.6 | 189.8 | 11,600 | 204 |
| 205 |      |       |        | 17.6 | 157.5 | 13,900 | 25.0 | 176.3 | 12,700 | 30.5 | 188.2 | 11,500 | 205 |
| 210 |      |       |        | 11.0 | 137.2 | 13,300 | 20.8 | 164.2 | 12,100 | 27.2 | 179.0 | 10,900 | 210 |
| 213 |      |       |        | 1.9  | 108.8 | 12,800 | 17.0 | 154.9 | 11,700 | 24.6 | 172.5 | 10,500 | 213 |
| 215 |      |       |        |      |       |        | 15.6 | 148.7 | 11,500 | 23.4 | 168.2 | 10,300 | 215 |
| 220 |      |       |        |      |       |        | 7.4  | 123.2 | 10,800 | 18.9 | 155.0 | 9,800  | 220 |
| 221 |      |       |        |      |       |        | 3.8  | 112.1 | 10,700 | 16.3 | 149.8 | 9,600  | 221 |
| 229 |      |       |        |      |       |        |      |       |        | 3.8  | 108.4 | 8,800  | 229 |



184,600 lb  
+  
44,000 lb

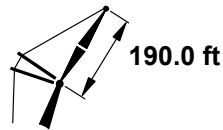
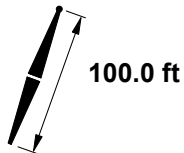


|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 58                                                                                   | 76.0                                                                                  | 292.1                                                                                | 53,200                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 58                                                                                     |
| 60                                                                                   | 75.4                                                                                  | 291.6                                                                                | 53,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 73.8                                                                                  | 290.1                                                                                | 52,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 68                                                                                   | 72.4                                                                                  | 289.2                                                                                | 52,300                                                                               | 74.0                                                                                  | 290.0                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 68                                                                                     |
| 70                                                                                   | 72.2                                                                                  | 288.6                                                                                | 52,100                                                                               | 73.3                                                                                  | 289.4                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 70.6                                                                                  | 286.9                                                                                | 51,700                                                                               | 71.7                                                                                  | 287.8                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 69.0                                                                                  | 285.0                                                                                | 51,200                                                                               | 70.1                                                                                  | 286.0                                                                                | 58,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 83                                                                                   | 67.8                                                                                  | 283.7                                                                                | 50,900                                                                               | 68.8                                                                                  | 284.9                                                                                | 57,200                                                                               | 70.8                                                                                    | 286.2                                                                                  | 57,100                                                                                 | 83                                                                                     |
| 85                                                                                   | 67.4                                                                                  | 282.9                                                                                | 50,700                                                                               | 68.5                                                                                  | 284.1                                                                                | 56,100                                                                               | 70.2                                                                                    | 285.5                                                                                  | 57,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 65.7                                                                                  | 280.7                                                                                | 50,100                                                                               | 66.9                                                                                  | 282.0                                                                                | 53,500                                                                               | 68.6                                                                                    | 283.6                                                                                  | 55,100                                                                                 | 90                                                                                     |
| 95                                                                                   | 64.1                                                                                  | 278.3                                                                                | 49,100                                                                               | 65.2                                                                                  | 279.8                                                                                | 51,100                                                                               | 67.0                                                                                    | 281.5                                                                                  | 51,200                                                                                 | 95                                                                                     |
| 97                                                                                   | 63.2                                                                                  | 277.3                                                                                | 48,200                                                                               | 64.2                                                                                  | 278.8                                                                                | 50,200                                                                               | 65.6                                                                                    | 280.6                                                                                  | 49,900                                                                                 | 97                                                                                     |
| 100                                                                                  | 62.4                                                                                  | 275.8                                                                                | 46,900                                                                               | 63.6                                                                                  | 277.3                                                                                | 48,800                                                                               | 65.3                                                                                    | 279.2                                                                                  | 47,800                                                                                 | 100                                                                                    |
| 105                                                                                  | 60.7                                                                                  | 273.0                                                                                | 44,600                                                                               | 61.9                                                                                  | 274.7                                                                                | 46,400                                                                               | 63.6                                                                                    | 276.8                                                                                  | 44,700                                                                                 | 105                                                                                    |
| 110                                                                                  | 58.9                                                                                  | 270.1                                                                                | 42,200                                                                               | 60.1                                                                                  | 271.9                                                                                | 43,500                                                                               | 61.9                                                                                    | 274.2                                                                                  | 41,900                                                                                 | 110                                                                                    |
| 115                                                                                  | 57.1                                                                                  | 266.9                                                                                | 40,000                                                                               | 58.4                                                                                  | 268.9                                                                                | 40,900                                                                               | 60.2                                                                                    | 271.4                                                                                  | 39,400                                                                                 | 115                                                                                    |
| 120                                                                                  | 55.3                                                                                  | 263.5                                                                                | 37,800                                                                               | 56.6                                                                                  | 265.6                                                                                | 38,500                                                                               | 58.4                                                                                    | 268.4                                                                                  | 37,100                                                                                 | 120                                                                                    |
| 121                                                                                  | 54.6                                                                                  | 262.8                                                                                | 37,400                                                                               | 55.6                                                                                  | 264.9                                                                                | 38,100                                                                               | 57.6                                                                                    | 267.7                                                                                  | 36,700                                                                                 | 121                                                                                    |
| 125                                                                                  | 53.4                                                                                  | 259.9                                                                                | 35,700                                                                               | 54.7                                                                                  | 262.2                                                                                | 36,400                                                                               | 56.6                                                                                    | 265.1                                                                                  | 35,000                                                                                 | 125                                                                                    |
| 130                                                                                  | 51.5                                                                                  | 256.0                                                                                | 33,800                                                                               | 52.9                                                                                  | 258.4                                                                                | 34,400                                                                               | 54.8                                                                                    | 261.7                                                                                  | 33,100                                                                                 | 130                                                                                    |
| 135                                                                                  | 49.6                                                                                  | 251.8                                                                                | 32,000                                                                               | 50.9                                                                                  | 254.5                                                                                | 32,600                                                                               | 52.9                                                                                    | 258.0                                                                                  | 31,300                                                                                 | 135                                                                                    |
| 140                                                                                  | 47.5                                                                                  | 247.3                                                                                | 30,300                                                                               | 48.9                                                                                  | 250.2                                                                                | 30,900                                                                               | 51.0                                                                                    | 254.0                                                                                  | 29,700                                                                                 | 140                                                                                    |
| 143                                                                                  | 45.8                                                                                  | 244.4                                                                                | 29,300                                                                               | 46.8                                                                                  | 247.4                                                                                | 29,900                                                                               | 49.8                                                                                    | 251.5                                                                                  | 28,800                                                                                 | 143                                                                                    |
| 145                                                                                  | 45.4                                                                                  | 242.5                                                                                | 28,700                                                                               | 46.9                                                                                  | 245.6                                                                                | 29,300                                                                               | 49.0                                                                                    | 249.8                                                                                  | 28,100                                                                                 | 145                                                                                    |
| 150                                                                                  | 43.3                                                                                  | 237.3                                                                                | 27,200                                                                               | 44.8                                                                                  | 240.7                                                                                | 27,900                                                                               | 47.0                                                                                    | 245.2                                                                                  | 26,700                                                                                 | 150                                                                                    |
| 155                                                                                  | 41.0                                                                                  | 231.7                                                                                | 25,800                                                                               | 42.6                                                                                  | 235.4                                                                                | 26,500                                                                               | 44.9                                                                                    | 240.3                                                                                  | 25,400                                                                                 | 155                                                                                    |
| 160                                                                                  | 38.6                                                                                  | 225.6                                                                                | 24,600                                                                               | 40.3                                                                                  | 229.6                                                                                | 25,200                                                                               | 42.7                                                                                    | 235.0                                                                                  | 24,200                                                                                 | 160                                                                                    |
| 165                                                                                  | 36.1                                                                                  | 219.0                                                                                | 23,400                                                                               | 37.9                                                                                  | 223.4                                                                                | 24,100                                                                               | 40.4                                                                                    | 229.3                                                                                  | 23,000                                                                                 | 165                                                                                    |
| 170                                                                                  | 33.4                                                                                  | 211.7                                                                                | 22,400                                                                               | 35.3                                                                                  | 216.6                                                                                | 22,900                                                                               | 38.0                                                                                    | 223.0                                                                                  | 22,000                                                                                 | 170                                                                                    |
| 175                                                                                  | 30.6                                                                                  | 203.5                                                                                | 21,400                                                                               | 32.6                                                                                  | 209.0                                                                                | 21,900                                                                               | 35.4                                                                                    | 216.2                                                                                  | 20,900                                                                                 | 175                                                                                    |
| 180                                                                                  | 27.4                                                                                  | 194.4                                                                                | 20,300                                                                               | 29.6                                                                                  | 200.6                                                                                | 20,900                                                                               | 32.7                                                                                    | 208.7                                                                                  | 20,000                                                                                 | 180                                                                                    |
| 185                                                                                  | 23.9                                                                                  | 183.8                                                                                | 19,300                                                                               | 26.4                                                                                  | 191.1                                                                                | 20,000                                                                               | 29.8                                                                                    | 200.4                                                                                  | 19,100                                                                                 | 185                                                                                    |
| 190                                                                                  | 19.8                                                                                  | 171.0                                                                                | 18,300                                                                               | 22.7                                                                                  | 179.9                                                                                | 19,000                                                                               | 26.5                                                                                    | 190.9                                                                                  | 18,200                                                                                 | 190                                                                                    |
| 195                                                                                  | 14.5                                                                                  | 154.4                                                                                | 16,700                                                                               | 18.3                                                                                  | 166.3                                                                                | 18,000                                                                               | 22.9                                                                                    | 179.8                                                                                  | 17,400                                                                                 | 195                                                                                    |
| 200                                                                                  | 5.5                                                                                   | 124.8                                                                                | 13,200                                                                               | 12.5                                                                                  | 147.6                                                                                | 16,400                                                                               | 18.5                                                                                    | 166.3                                                                                  | 16,600                                                                                 | 200                                                                                    |
| 204                                                                                  |                                                                                       |                                                                                      |                                                                                      | 3.2                                                                                   | 117.0                                                                                | 12,900                                                                               | 11.8                                                                                    | 145.6                                                                                  | 15,600                                                                                 | 204                                                                                    |
| 209                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.2                                                                                     | 119.9                                                                                  | 14,400                                                                                 | 209                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 214                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 214                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 223                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 223                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 231                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 231                                                                                    |
| 239                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 239                                                                                    |





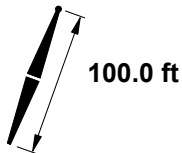
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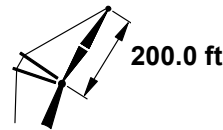
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|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 83  |      |       |        |      |       |        |      |       |        |      |       |        | 83  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 97  | 68.0 | 281.9 | 48,000 |      |       |        |      |       |        |      |       |        | 97  |
| 100 | 67.0 | 280.7 | 46,000 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.4 | 278.4 | 43,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 63.7 | 276.0 | 40,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.0 | 273.4 | 37,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 60.2 | 270.6 | 35,600 |      |       |        |      |       |        |      |       |        | 120 |
| 121 | 59.6 | 270.0 | 35,200 | 62.8 | 272.6 | 32,900 |      |       |        |      |       |        | 121 |
| 125 | 58.5 | 267.6 | 33,600 | 61.5 | 270.5 | 31,400 |      |       |        |      |       |        | 125 |
| 130 | 56.7 | 264.4 | 31,800 | 59.7 | 267.6 | 29,600 |      |       |        |      |       |        | 130 |
| 135 | 54.9 | 260.9 | 30,000 | 57.9 | 264.5 | 28,000 |      |       |        |      |       |        | 135 |
| 140 | 53.0 | 257.2 | 28,400 | 56.1 | 261.2 | 26,400 |      |       |        |      |       |        | 140 |
| 143 | 51.4 | 254.8 | 27,600 | 54.8 | 259.1 | 25,600 | 58.0 | 261.9 | 23,700 |      |       |        | 143 |
| 145 | 51.1 | 253.2 | 27,000 | 54.3 | 257.7 | 25,100 | 57.3 | 260.6 | 23,200 |      |       |        | 145 |
| 150 | 49.1 | 249.0 | 25,600 | 52.4 | 253.9 | 23,800 | 55.5 | 257.2 | 21,900 |      |       |        | 150 |
| 155 | 47.0 | 244.5 | 24,300 | 50.5 | 249.9 | 22,600 | 53.6 | 253.6 | 20,800 |      |       |        | 155 |
| 160 | 44.9 | 239.6 | 23,100 | 48.5 | 245.6 | 21,400 | 51.7 | 249.8 | 19,700 |      |       |        | 160 |
| 165 | 42.7 | 234.3 | 22,000 | 46.4 | 240.9 | 20,400 | 49.8 | 245.6 | 18,700 | 52.9 | 248.6 | 17,100 | 165 |
| 170 | 40.5 | 228.6 | 21,000 | 44.3 | 235.9 | 19,400 | 47.8 | 241.2 | 17,800 | 51.0 | 244.6 | 16,200 | 170 |
| 175 | 38.1 | 222.4 | 20,000 | 42.1 | 230.5 | 18,400 | 45.7 | 236.4 | 16,900 | 49.0 | 240.4 | 15,400 | 175 |
| 180 | 35.5 | 215.6 | 19,100 | 39.7 | 224.7 | 17,600 | 43.5 | 231.3 | 16,100 | 46.9 | 235.8 | 14,600 | 180 |
| 185 | 32.8 | 208.1 | 18,200 | 37.3 | 218.3 | 16,700 | 41.3 | 225.7 | 15,300 | 44.8 | 230.9 | 13,900 | 185 |
| 190 | 29.9 | 199.8 | 17,400 | 34.7 | 211.3 | 15,900 | 38.9 | 219.7 | 14,500 | 42.6 | 225.6 | 13,200 | 190 |
| 195 | 26.6 | 190.3 | 16,600 | 31.9 | 203.6 | 15,200 | 36.4 | 213.1 | 13,800 | 40.3 | 219.8 | 12,500 | 195 |
| 200 | 23.0 | 179.3 | 15,800 | 28.9 | 194.9 | 14,500 | 33.8 | 205.9 | 13,200 | 37.9 | 213.6 | 11,900 | 200 |
| 204 | 18.4 | 166.7 | 15,200 | 25.2 | 186.3 | 13,900 | 30.6 | 199.1 | 12,600 | 35.0 | 207.8 | 11,400 | 204 |
| 209 | 13.9 | 150.9 | 14,500 | 21.7 | 175.6 | 13,300 | 27.6 | 190.5 | 12,000 | 32.5 | 200.7 | 10,800 | 209 |
| 210 | 13.0 | 147.8 | 14,400 | 21.8 | 173.4 | 13,100 | 27.8 | 188.8 | 11,900 | 32.6 | 199.2 | 10,700 | 210 |
| 214 | 4.9  | 121.2 | 13,800 | 16.6 | 159.3 | 12,600 | 24.2 | 179.7 | 11,400 | 29.6 | 192.1 | 10,200 | 214 |
| 220 |      |       |        | 10.7 | 138.2 | 11,900 | 20.3 | 166.0 | 10,700 | 26.4 | 181.3 | 9,600  | 220 |
| 223 |      |       |        | 1.8  | 109.0 | 11,500 | 16.1 | 153.3 | 10,400 | 23.6 | 173.9 | 9,300  | 223 |
| 230 |      |       |        |      |       |        | 7.2  | 123.8 | 9,600  | 18.4 | 156.6 | 8,600  | 230 |
| 231 |      |       |        |      |       |        | 3.7  | 112.4 | 9,500  | 16.3 | 151.3 | 8,500  | 231 |
| 239 |      |       |        |      |       |        |      |       |        | 3.6  | 108.6 | 7,700  | 239 |



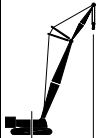
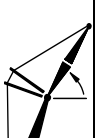
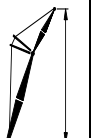
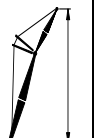
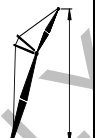
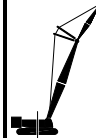
184,600 lb  
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100.0 ft

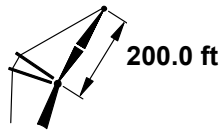
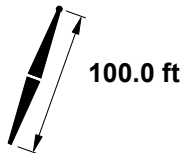


200.0 ft

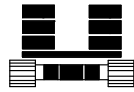
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 61                                                                                | 75.8                                                                                  | 301.6                                                                             | 48,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 61                                                                                  |
| 65                                                                                | 74.6                                                                                  | 300.6                                                                             | 47,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.1                                                                                  | 299.1                                                                             | 47,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 71                                                                                | 72.6                                                                                  | 298.7                                                                             | 47,100                                                                            | 73.9                                                                                  | 299.6                                                                             | 53,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 71                                                                                  |
| 75                                                                                | 71.6                                                                                  | 297.4                                                                             | 46,700                                                                            | 72.7                                                                                  | 298.3                                                                             | 53,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.1                                                                                  | 295.7                                                                             | 46,200                                                                            | 71.2                                                                                  | 296.7                                                                             | 53,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 68.6                                                                                  | 293.8                                                                             | 45,800                                                                            | 69.6                                                                                  | 294.8                                                                             | 52,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 86                                                                                | 67.8                                                                                  | 293.3                                                                             | 45,700                                                                            | 68.8                                                                                  | 294.4                                                                             | 52,500                                                                            | 70.9                                                                                    | 295.8                                                                               | 51,300                                                                              | 86                                                                                  |
| 90                                                                                | 67.0                                                                                  | 291.7                                                                             | 45,400                                                                            | 68.1                                                                                  | 292.9                                                                             | 51,900                                                                            | 69.7                                                                                    | 294.3                                                                               | 51,000                                                                              | 90                                                                                  |
| 95                                                                                | 65.5                                                                                  | 289.4                                                                             | 45,000                                                                            | 66.6                                                                                  | 290.8                                                                             | 49,600                                                                            | 68.2                                                                                    | 292.3                                                                               | 50,800                                                                              | 95                                                                                  |
| 100                                                                               | 63.9                                                                                  | 287.0                                                                             | 44,600                                                                            | 65.0                                                                                  | 288.5                                                                             | 47,500                                                                            | 66.6                                                                                    | 290.2                                                                               | 47,300                                                                              | 100                                                                                 |
| 101                                                                               | 62.8                                                                                  | 286.5                                                                             | 44,200                                                                            | 63.8                                                                                  | 288.0                                                                             | 47,000                                                                            | 65.8                                                                                    | 289.8                                                                               | 46,700                                                                              | 101                                                                                 |
| 105                                                                               | 62.3                                                                                  | 284.4                                                                             | 42,900                                                                            | 63.4                                                                                  | 286.0                                                                             | 45,400                                                                            | 65.0                                                                                    | 287.9                                                                               | 44,300                                                                              | 105                                                                                 |
| 110                                                                               | 60.6                                                                                  | 281.7                                                                             | 40,900                                                                            | 61.8                                                                                  | 283.4                                                                             | 43,100                                                                            | 63.4                                                                                    | 285.5                                                                               | 41,500                                                                              | 110                                                                                 |
| 115                                                                               | 59.0                                                                                  | 278.7                                                                             | 38,900                                                                            | 60.1                                                                                  | 280.5                                                                             | 40,500                                                                            | 61.8                                                                                    | 282.9                                                                               | 38,900                                                                              | 115                                                                                 |
| 120                                                                               | 57.3                                                                                  | 275.6                                                                             | 36,900                                                                            | 58.4                                                                                  | 277.5                                                                             | 38,100                                                                            | 60.2                                                                                    | 280.0                                                                               | 36,700                                                                              | 120                                                                                 |
| 125                                                                               | 55.5                                                                                  | 272.2                                                                             | 35,100                                                                            | 56.7                                                                                  | 274.3                                                                             | 36,000                                                                            | 58.5                                                                                    | 277.0                                                                               | 34,600                                                                              | 125                                                                                 |
| 130                                                                               | 53.8                                                                                  | 268.6                                                                             | 33,200                                                                            | 55.0                                                                                  | 270.9                                                                             | 34,000                                                                            | 56.8                                                                                    | 273.8                                                                               | 32,600                                                                              | 130                                                                                 |
| 135                                                                               | 52.0                                                                                  | 264.8                                                                             | 31,600                                                                            | 53.2                                                                                  | 267.2                                                                             | 32,200                                                                            | 55.1                                                                                    | 270.4                                                                               | 30,900                                                                              | 135                                                                                 |
| 140                                                                               | 50.1                                                                                  | 260.7                                                                             | 29,900                                                                            | 51.4                                                                                  | 263.3                                                                             | 30,500                                                                            | 53.3                                                                                    | 266.7                                                                               | 29,200                                                                              | 140                                                                                 |
| 145                                                                               | 48.2                                                                                  | 256.3                                                                             | 28,400                                                                            | 49.5                                                                                  | 259.1                                                                             | 28,900                                                                            | 51.5                                                                                    | 262.8                                                                               | 27,700                                                                              | 145                                                                                 |
| 149                                                                               | 46.4                                                                                  | 252.5                                                                             | 27,300                                                                            | 47.4                                                                                  | 255.5                                                                             | 27,800                                                                            | 49.4                                                                                    | 259.5                                                                               | 26,600                                                                              | 149                                                                                 |
| 150                                                                               | 46.2                                                                                  | 251.6                                                                             | 27,000                                                                            | 47.6                                                                                  | 254.6                                                                             | 27,500                                                                            | 49.6                                                                                    | 258.7                                                                               | 26,300                                                                              | 150                                                                                 |
| 155                                                                               | 44.2                                                                                  | 246.6                                                                             | 25,600                                                                            | 45.6                                                                                  | 249.9                                                                             | 26,100                                                                            | 47.7                                                                                    | 254.2                                                                               | 25,000                                                                              | 155                                                                                 |
| 160                                                                               | 42.1                                                                                  | 241.2                                                                             | 24,400                                                                            | 43.6                                                                                  | 244.7                                                                             | 24,900                                                                            | 45.7                                                                                    | 249.4                                                                               | 23,800                                                                              | 160                                                                                 |
| 165                                                                               | 39.9                                                                                  | 235.3                                                                             | 23,200                                                                            | 41.4                                                                                  | 239.2                                                                             | 23,700                                                                            | 43.7                                                                                    | 244.3                                                                               | 22,600                                                                              | 165                                                                                 |
| 170                                                                               | 37.6                                                                                  | 229.0                                                                             | 22,100                                                                            | 39.2                                                                                  | 233.2                                                                             | 22,600                                                                            | 41.5                                                                                    | 238.8                                                                               | 21,600                                                                              | 170                                                                                 |
| 171                                                                               | 36.6                                                                                  | 227.7                                                                             | 21,800                                                                            | 38.4                                                                                  | 231.9                                                                             | 22,400                                                                            | 40.6                                                                                    | 237.6                                                                               | 21,400                                                                              | 171                                                                                 |
| 175                                                                               | 35.2                                                                                  | 222.2                                                                             | 20,900                                                                            | 36.9                                                                                  | 226.7                                                                             | 21,500                                                                            | 39.3                                                                                    | 232.9                                                                               | 20,500                                                                              | 175                                                                                 |
| 180                                                                               | 32.6                                                                                  | 214.6                                                                             | 19,800                                                                            | 34.4                                                                                  | 219.7                                                                             | 20,500                                                                            | 37.0                                                                                    | 226.4                                                                               | 19,600                                                                              | 180                                                                                 |
| 185                                                                               | 29.8                                                                                  | 206.2                                                                             | 18,800                                                                            | 31.7                                                                                  | 211.9                                                                             | 19,500                                                                            | 34.5                                                                                    | 219.4                                                                               | 18,700                                                                              | 185                                                                                 |
| 190                                                                               | 26.7                                                                                  | 196.7                                                                             | 17,800                                                                            | 28.9                                                                                  | 203.2                                                                             | 18,400                                                                            | 31.8                                                                                    | 211.6                                                                               | 17,800                                                                              | 190                                                                                 |
| 195                                                                               | 23.3                                                                                  | 185.8                                                                             | 16,900                                                                            | 25.7                                                                                  | 193.3                                                                             | 17,500                                                                            | 29.0                                                                                    | 202.9                                                                               | 17,000                                                                              | 195                                                                                 |
| 200                                                                               | 19.2                                                                                  | 172.7                                                                             | 16,000                                                                            | 22.1                                                                                  | 181.9                                                                             | 16,600                                                                            | 25.8                                                                                    | 193.1                                                                               | 16,200                                                                              | 200                                                                                 |
| 210                                                                               | 5.3                                                                                   | 125.3                                                                             | 11,200                                                                            | 12.2                                                                                  | 148.7                                                                             | 14,200                                                                            | 18.0                                                                                    | 167.8                                                                               | 14,800                                                                              | 210                                                                                 |
| 214                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                   | 117.3                                                                             | 11,000                                                                            | 11.8                                                                                    | 146.7                                                                               | 13,700                                                                              | 214                                                                                 |
| 219                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.1                                                                                     | 120.2                                                                               | 12,400                                                                              | 219                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 224                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 224                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 233                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 233                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 241                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 241                                                                                 |
| 249                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 249                                                                                 |



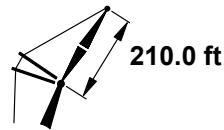
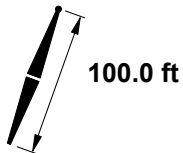
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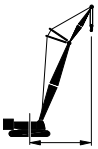
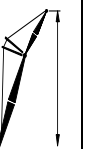
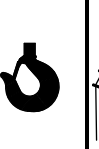
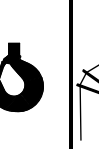
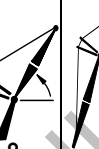


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 86  |      |       |        |      |       |        |      |       |        |      |       |        | 86  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 67.9 | 291.1 | 44,900 |      |       |        |      |       |        |      |       |        | 101 |
| 105 | 66.7 | 289.4 | 42,600 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 65.1 | 287.1 | 39,900 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 63.5 | 284.7 | 37,400 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 61.9 | 282.1 | 35,200 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 60.2 | 279.2 | 33,200 | 63.0 | 281.8 | 30,800 |      |       |        |      |       |        | 125 |
| 130 | 58.6 | 276.2 | 31,300 | 61.4 | 279.1 | 29,100 |      |       |        |      |       |        | 130 |
| 135 | 56.9 | 273.0 | 29,600 | 59.7 | 276.3 | 27,500 |      |       |        |      |       |        | 135 |
| 140 | 55.1 | 269.6 | 28,000 | 58.1 | 273.2 | 26,000 |      |       |        |      |       |        | 140 |
| 145 | 53.4 | 266.0 | 26,500 | 56.3 | 269.9 | 24,600 |      |       |        |      |       |        | 145 |
| 149 | 51.4 | 262.8 | 25,400 | 54.4 | 267.1 | 23,500 | 57.8 | 269.9 | 21,700 |      |       |        | 149 |
| 150 | 51.5 | 262.1 | 25,200 | 54.6 | 266.4 | 23,300 | 57.5 | 269.3 | 21,400 |      |       |        | 150 |
| 155 | 49.7 | 257.9 | 23,900 | 52.8 | 262.7 | 22,100 | 55.7 | 265.9 | 20,300 |      |       |        | 155 |
| 160 | 47.8 | 253.5 | 22,700 | 51.0 | 258.8 | 20,900 | 54.0 | 262.4 | 19,200 |      |       |        | 160 |
| 165 | 45.8 | 248.7 | 21,600 | 49.1 | 254.5 | 19,900 | 52.2 | 258.6 | 18,200 |      |       |        | 165 |
| 170 | 43.7 | 243.6 | 20,600 | 47.2 | 250.0 | 18,900 | 50.3 | 254.5 | 17,300 |      |       |        | 170 |
| 171 | 42.6 | 242.5 | 20,400 | 46.6 | 249.0 | 18,700 | 49.6 | 253.6 | 17,100 | 52.9 | 256.6 | 15,500 | 171 |
| 175 | 41.6 | 238.1 | 19,600 | 45.2 | 245.1 | 18,000 | 48.4 | 250.1 | 16,400 | 51.4 | 253.4 | 14,900 | 175 |
| 180 | 39.4 | 232.2 | 18,600 | 43.1 | 239.9 | 17,100 | 46.5 | 245.5 | 15,600 | 49.6 | 249.3 | 14,100 | 180 |
| 185 | 37.0 | 225.7 | 17,800 | 40.9 | 234.3 | 16,300 | 44.5 | 240.5 | 14,800 | 47.6 | 244.8 | 13,400 | 185 |
| 190 | 34.6 | 218.7 | 16,900 | 38.7 | 228.2 | 15,500 | 42.4 | 235.2 | 14,100 | 45.7 | 240.0 | 12,700 | 190 |
| 195 | 31.9 | 211.0 | 16,200 | 36.3 | 221.6 | 14,700 | 40.2 | 229.4 | 13,300 | 43.6 | 234.9 | 12,000 | 195 |
| 200 | 29.1 | 202.3 | 15,400 | 33.8 | 214.3 | 14,000 | 37.9 | 223.1 | 12,700 | 41.5 | 229.4 | 11,400 | 200 |
| 210 | 22.4 | 181.3 | 14,000 | 28.2 | 197.4 | 12,700 | 32.9 | 208.8 | 11,400 | 36.9 | 216.9 | 10,200 | 210 |
| 214 | 18.0 | 168.3 | 13,500 | 25.2 | 188.6 | 12,200 | 30.0 | 201.8 | 11,000 | 34.0 | 211.0 | 9,800  | 214 |
| 219 | 13.0 | 152.1 | 12,800 | 21.7 | 177.5 | 11,600 | 27.5 | 193.0 | 10,400 | 31.5 | 203.6 | 9,200  | 219 |
| 220 | 12.7 | 148.9 | 12,700 | 21.2 | 175.3 | 11,500 | 27.1 | 191.2 | 10,300 | 31.8 | 202.1 | 9,100  | 220 |
| 224 | 4.8  | 121.6 | 12,200 | 16.6 | 160.8 | 11,000 | 23.8 | 181.8 | 9,900  | 28.6 | 194.7 | 8,700  | 224 |
| 230 |      |       |        | 10.4 | 139.0 | 10,400 | 19.7 | 167.7 | 9,300  | 25.8 | 183.6 | 8,100  | 230 |
| 233 |      |       |        | 1.8  | 109.1 | 10,000 | 15.1 | 154.7 | 8,900  | 22.6 | 176.0 | 7,800  | 233 |
| 240 |      |       |        |      |       |        | 7.0  | 124.3 | 8,200  | 17.9 | 158.2 | 7,000  | 240 |
| 241 |      |       |        |      |       |        | 3.6  | 112.7 | 8,100  | 15.4 | 152.7 | 6,900  | 241 |
| 249 |      |       |        |      |       |        |      |       |        | 3.5  | 108.9 | 6,100  | 249 |



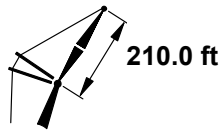
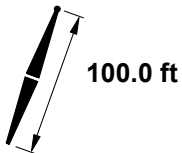
184,600 lb  
+  
44,000 lb



|                                                                                   | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |
| ft                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                 | ft                                                                                  | ft                                                                                  | ft                                                                                  |
| 63                                                                                | 75.9                                                                              | 311.4                                                                             | 43,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 63                                                                                  |
| 65                                                                                | 75.4                                                                              | 310.9                                                                             | 43,200                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.0                                                                              | 309.5                                                                             | 42,800                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 70                                                                                  |
| 74                                                                                | 72.2                                                                              | 308.3                                                                             | 42,400                                                                            | 73.8                                                                              | 309.1                                                                             | 48,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 74                                                                                  |
| 75                                                                                | 72.5                                                                              | 308.0                                                                             | 42,300                                                                            | 73.5                                                                              | 308.8                                                                             | 48,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 71.1                                                                              | 306.3                                                                             | 41,900                                                                            | 72.1                                                                              | 307.2                                                                             | 48,100                                                                            |                                                                                    |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.6                                                                              | 304.5                                                                             | 41,500                                                                            | 70.7                                                                              | 305.5                                                                             | 47,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 85                                                                                  |
| 89                                                                                | 68.2                                                                              | 302.9                                                                             | 41,100                                                                            | 69.2                                                                              | 304.0                                                                             | 47,300                                                                            | 71.0                                                                               | 305.3                                                                               | 46,100                                                                              | 89                                                                                  |
| 90                                                                                | 68.2                                                                              | 302.5                                                                             | 41,000                                                                            | 69.2                                                                              | 303.6                                                                             | 47,200                                                                            | 70.7                                                                               | 305.0                                                                               | 46,000                                                                              | 90                                                                                  |
| 95                                                                                | 66.7                                                                              | 300.4                                                                             | 40,600                                                                            | 67.7                                                                              | 301.6                                                                             | 46,700                                                                            | 69.3                                                                               | 303.1                                                                               | 45,700                                                                              | 95                                                                                  |
| 100                                                                               | 65.2                                                                              | 298.1                                                                             | 40,200                                                                            | 66.2                                                                              | 299.5                                                                             | 46,200                                                                            | 67.8                                                                               | 301.1                                                                               | 45,400                                                                              | 100                                                                                 |
| 105                                                                               | 63.7                                                                              | 295.7                                                                             | 39,800                                                                            | 64.7                                                                              | 297.2                                                                             | 44,200                                                                            | 66.3                                                                               | 298.9                                                                               | 43,900                                                                              | 105                                                                                 |
| 110                                                                               | 62.2                                                                              | 293.1                                                                             | 39,300                                                                            | 63.2                                                                              | 294.7                                                                             | 42,400                                                                            | 64.8                                                                               | 296.6                                                                               | 41,100                                                                              | 110                                                                                 |
| 115                                                                               | 60.6                                                                              | 290.3                                                                             | 37,600                                                                            | 61.7                                                                              | 292.0                                                                             | 40,100                                                                            | 63.3                                                                               | 294.2                                                                               | 38,600                                                                              | 115                                                                                 |
| 120                                                                               | 59.0                                                                              | 287.4                                                                             | 35,800                                                                            | 60.1                                                                              | 289.2                                                                             | 37,800                                                                            | 61.7                                                                               | 291.5                                                                               | 36,300                                                                              | 120                                                                                 |
| 125                                                                               | 57.4                                                                              | 284.2                                                                             | 34,200                                                                            | 58.5                                                                              | 286.2                                                                             | 35,600                                                                            | 60.2                                                                               | 288.7                                                                               | 34,200                                                                              | 125                                                                                 |
| 130                                                                               | 55.8                                                                              | 280.9                                                                             | 32,500                                                                            | 56.9                                                                              | 283.0                                                                             | 33,600                                                                            | 58.6                                                                               | 285.7                                                                               | 32,300                                                                              | 130                                                                                 |
| 135                                                                               | 54.1                                                                              | 277.3                                                                             | 31,000                                                                            | 55.2                                                                              | 279.6                                                                             | 31,800                                                                            | 57.0                                                                               | 282.5                                                                               | 30,500                                                                              | 135                                                                                 |
| 140                                                                               | 52.4                                                                              | 273.6                                                                             | 29,500                                                                            | 53.6                                                                              | 276.0                                                                             | 30,100                                                                            | 55.3                                                                               | 279.1                                                                               | 28,900                                                                              | 140                                                                                 |
| 145                                                                               | 50.6                                                                              | 269.5                                                                             | 28,000                                                                            | 51.8                                                                              | 272.1                                                                             | 28,600                                                                            | 53.6                                                                               | 275.5                                                                               | 27,400                                                                              | 145                                                                                 |
| 150                                                                               | 48.8                                                                              | 265.2                                                                             | 26,700                                                                            | 50.1                                                                              | 268.0                                                                             | 27,100                                                                            | 51.9                                                                               | 271.6                                                                               | 26,000                                                                              | 150                                                                                 |
| 154                                                                               | 46.4                                                                              | 261.6                                                                             | 25,700                                                                            | 48.4                                                                              | 264.5                                                                             | 26,000                                                                            | 50.2                                                                               | 268.4                                                                               | 24,900                                                                              | 154                                                                                 |
| 155                                                                               | 47.0                                                                              | 260.7                                                                             | 25,400                                                                            | 48.3                                                                              | 263.6                                                                             | 25,800                                                                            | 50.1                                                                               | 267.5                                                                               | 24,700                                                                              | 155                                                                                 |
| 160                                                                               | 45.1                                                                              | 255.8                                                                             | 24,200                                                                            | 46.4                                                                              | 258.9                                                                             | 24,500                                                                            | 48.3                                                                               | 263.2                                                                               | 23,400                                                                              | 160                                                                                 |
| 165                                                                               | 43.1                                                                              | 250.5                                                                             | 22,800                                                                            | 44.5                                                                              | 254.0                                                                             | 23,300                                                                            | 46.5                                                                               | 258.5                                                                               | 22,300                                                                              | 165                                                                                 |
| 170                                                                               | 41.0                                                                              | 244.9                                                                             | 21,600                                                                            | 42.5                                                                              | 248.6                                                                             | 22,200                                                                            | 44.5                                                                               | 253.5                                                                               | 21,200                                                                              | 170                                                                                 |
| 175                                                                               | 38.9                                                                              | 238.9                                                                             | 20,400                                                                            | 40.4                                                                              | 242.9                                                                             | 21,200                                                                            | 42.6                                                                               | 248.2                                                                               | 20,200                                                                              | 175                                                                                 |
| 177                                                                               | 37.2                                                                              | 236.3                                                                             | 20,000                                                                            | 39.2                                                                              | 240.4                                                                             | 20,700                                                                            | 41.2                                                                               | 245.9                                                                               | 19,800                                                                              | 177                                                                                 |
| 180                                                                               | 36.7                                                                              | 232.4                                                                             | 19,300                                                                            | 38.2                                                                              | 236.7                                                                             | 20,100                                                                            | 40.5                                                                               | 242.5                                                                               | 19,200                                                                              | 180                                                                                 |
| 185                                                                               | 34.3                                                                              | 225.2                                                                             | 18,300                                                                            | 35.9                                                                              | 230.0                                                                             | 19,000                                                                            | 38.3                                                                               | 236.3                                                                               | 18,300                                                                              | 185                                                                                 |
| 190                                                                               | 31.8                                                                              | 217.4                                                                             | 17,300                                                                            | 33.5                                                                              | 222.7                                                                             | 18,000                                                                            | 36.0                                                                               | 229.7                                                                               | 17,500                                                                              | 190                                                                                 |
| 195                                                                               | 29.0                                                                              | 208.8                                                                             | 16,400                                                                            | 30.9                                                                              | 214.7                                                                             | 17,000                                                                            | 33.6                                                                               | 222.4                                                                               | 16,700                                                                              | 195                                                                                 |
| 200                                                                               | 26.0                                                                              | 199.1                                                                             | 15,500                                                                            | 28.1                                                                              | 205.7                                                                             | 16,100                                                                            | 31.1                                                                               | 214.4                                                                               | 15,900                                                                              | 200                                                                                 |
| 210                                                                               | 18.8                                                                              | 174.4                                                                             | 13,900                                                                            | 21.6                                                                              | 183.8                                                                             | 14,500                                                                            | 25.2                                                                               | 195.4                                                                               | 14,500                                                                              | 210                                                                                 |
| 220                                                                               | 5.2                                                                               | 125.7                                                                             | 9,500                                                                             | 11.9                                                                              | 149.7                                                                             | 12,300                                                                            | 17.6                                                                               | 169.4                                                                               | 13,200                                                                              | 220                                                                                 |
| 224                                                                               |                                                                                   |                                                                                   |                                                                                   | 3.0                                                                               | 117.5                                                                             | 9,300                                                                             | 10.8                                                                               | 147.7                                                                               | 12,000                                                                              | 224                                                                                 |
| 229                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.0                                                                                | 120.5                                                                               | 10,600                                                                              | 229                                                                                 |
| 230                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 230                                                                                 |
| 234                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 234                                                                                 |
| 240                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 240                                                                                 |
| 243                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 243                                                                                 |
| 250                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 250                                                                                 |
| 251                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 251                                                                                 |
| 255                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 255                                                                                 |



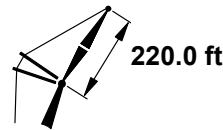
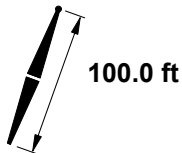
184,600 lb  
+  
44,000 lb

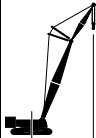
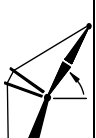
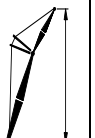
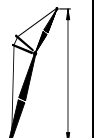
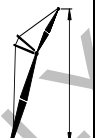
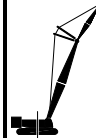


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 89  |      |       |        |      |       |        |      |       |        |      |       |        | 89  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 67.8 | 300.3 | 42,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 66.4 | 298.1 | 39,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 64.9 | 295.8 | 37,000 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 63.3 | 293.4 | 34,800 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 61.8 | 290.7 | 32,800 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 60.2 | 287.9 | 30,900 | 62.9 | 290.5 | 28,700 |      |       |        |      |       |        | 130 |
| 135 | 58.6 | 284.9 | 29,200 | 61.3 | 287.8 | 27,100 |      |       |        |      |       |        | 135 |
| 140 | 57.0 | 281.7 | 27,600 | 59.7 | 284.9 | 25,600 |      |       |        |      |       |        | 140 |
| 145 | 55.4 | 278.3 | 26,200 | 58.1 | 281.9 | 24,200 |      |       |        |      |       |        | 145 |
| 150 | 53.7 | 274.7 | 24,800 | 56.5 | 278.6 | 22,900 |      |       |        |      |       |        | 150 |
| 154 | 51.4 | 271.6 | 23,800 | 54.4 | 275.9 | 21,900 | 57.9 | 278.6 | 20,100 |      |       |        | 154 |
| 155 | 52.0 | 270.9 | 23,500 | 54.9 | 275.2 | 21,700 | 57.6 | 278.0 | 19,900 |      |       |        | 155 |
| 160 | 50.2 | 266.8 | 22,300 | 53.2 | 271.5 | 20,600 | 55.9 | 274.6 | 18,800 |      |       |        | 160 |
| 165 | 48.4 | 262.4 | 21,200 | 51.4 | 267.6 | 19,500 | 54.3 | 271.1 | 17,800 |      |       |        | 165 |
| 170 | 46.5 | 257.8 | 20,200 | 49.7 | 263.4 | 18,500 | 52.6 | 267.3 | 16,900 |      |       |        | 170 |
| 175 | 44.6 | 252.8 | 19,200 | 47.8 | 259.0 | 17,600 | 50.8 | 263.3 | 16,000 |      |       |        | 175 |
| 177 | 43.2 | 250.7 | 18,800 | 46.2 | 257.1 | 17,200 | 49.6 | 261.6 | 15,700 | 52.9 | 264.6 | 14,200 | 177 |
| 180 | 42.6 | 247.5 | 18,300 | 46.0 | 254.2 | 16,700 | 49.0 | 259.1 | 15,200 | 51.9 | 262.2 | 13,700 | 180 |
| 185 | 40.5 | 241.8 | 17,400 | 44.0 | 249.2 | 15,900 | 47.2 | 254.5 | 14,400 | 50.1 | 258.1 | 13,000 | 185 |
| 190 | 38.4 | 235.7 | 16,600 | 42.0 | 243.7 | 15,100 | 45.3 | 249.7 | 13,700 | 48.3 | 253.8 | 12,300 | 190 |
| 195 | 36.1 | 229.0 | 15,800 | 39.9 | 237.9 | 14,400 | 43.3 | 244.5 | 13,000 | 46.4 | 249.1 | 11,600 | 195 |
| 200 | 33.7 | 221.7 | 15,100 | 37.7 | 231.6 | 13,700 | 41.3 | 238.9 | 12,300 | 44.5 | 244.1 | 11,000 | 200 |
| 210 | 28.4 | 204.9 | 13,700 | 32.9 | 217.3 | 12,400 | 36.9 | 226.5 | 11,100 | 40.4 | 233.1 | 9,800  | 210 |
| 220 | 21.8 | 183.2 | 12,400 | 27.5 | 199.9 | 11,200 | 32.1 | 211.7 | 9,900  | 36.0 | 220.2 | 8,600  | 220 |
| 224 | 17.4 | 169.9 | 11,900 | 24.2 | 190.8 | 10,700 | 29.6 | 204.5 | 9,500  | 33.0 | 214.1 | 8,200  | 224 |
| 229 | 12.9 | 153.2 | 11,300 | 20.7 | 179.4 | 10,200 | 26.6 | 195.4 | 9,000  | 30.5 | 206.4 | 7,600  | 229 |
| 230 | 12.4 | 149.9 | 11,200 | 20.7 | 177.1 | 10,100 | 26.4 | 193.6 | 8,900  | 31.0 | 204.9 | 7,500  | 230 |
| 234 | 4.6  | 121.9 | 10,700 | 16.0 | 162.2 | 9,700  | 23.2 | 183.9 | 8,500  | 28.0 | 197.2 | 7,100  | 234 |
| 240 |      |       |        | 10.1 | 139.9 | 9,000  | 19.3 | 169.4 | 8,000  | 25.1 | 185.8 | 6,500  | 240 |
| 243 |      |       |        | 1.7  | 109.2 | 8,700  | 15.1 | 156.0 | 7,600  | 22.6 | 178.0 | 6,200  | 243 |
| 250 |      |       |        |      |       |        | 6.8  | 124.9 | 6,900  | 17.5 | 159.7 | 5,600  | 250 |
| 251 |      |       |        |      |       |        | 3.5  | 113.0 | 6,800  | 15.8 | 155.8 | 5,500  | 251 |
| 255 |      |       |        |      |       |        |      |       |        | 12.0 | 140.2 | 5,100  | 255 |



184,600 lb  
+  
44,000 lb



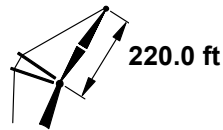
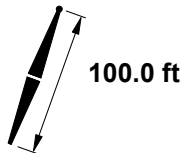
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 66                                                                                   | 75.8                                                                                  | 321.0                                                                                | 39,200                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 66                                                                                     |
| 70                                                                                   | 74.7                                                                                  | 319.9                                                                                | 38,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 73.4                                                                                  | 318.5                                                                                | 38,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 76                                                                                   | 72.6                                                                                  | 318.1                                                                                | 38,300                                                                               | 74.0                                                                                  | 318.9                                                                                | 43,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 76                                                                                     |
| 80                                                                                   | 72.0                                                                                  | 316.9                                                                                | 38,000                                                                               | 72.9                                                                                  | 317.7                                                                                | 43,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 70.6                                                                                  | 315.1                                                                                | 37,500                                                                               | 71.6                                                                                  | 316.1                                                                                | 43,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 69.2                                                                                  | 313.3                                                                                | 37,100                                                                               | 70.2                                                                                  | 314.3                                                                                | 42,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 93                                                                                   | 67.8                                                                                  | 312.1                                                                                | 36,900                                                                               | 68.8                                                                                  | 313.2                                                                                | 42,400                                                                               | 70.8                                                                                    | 314.5                                                                                  | 41,400                                                                                 | 93                                                                                     |
| 95                                                                                   | 67.8                                                                                  | 311.3                                                                                | 36,700                                                                               | 68.8                                                                                  | 312.4                                                                                | 42,200                                                                               | 70.2                                                                                    | 313.8                                                                                  | 41,300                                                                                 | 95                                                                                     |
| 100                                                                                  | 66.4                                                                                  | 309.1                                                                                | 36,300                                                                               | 67.4                                                                                  | 310.4                                                                                | 41,800                                                                               | 68.9                                                                                    | 311.9                                                                                  | 40,900                                                                                 | 100                                                                                    |
| 105                                                                                  | 65.0                                                                                  | 306.8                                                                                | 35,900                                                                               | 66.0                                                                                  | 308.2                                                                                | 41,400                                                                               | 67.4                                                                                    | 309.8                                                                                  | 40,600                                                                                 | 105                                                                                    |
| 109                                                                                  | 63.2                                                                                  | 304.9                                                                                | 35,600                                                                               | 64.2                                                                                  | 306.3                                                                                | 41,000                                                                               | 66.2                                                                                    | 308.1                                                                                  | 40,300                                                                                 | 109                                                                                    |
| 110                                                                                  | 63.5                                                                                  | 304.4                                                                                | 35,500                                                                               | 64.5                                                                                  | 305.8                                                                                | 40,900                                                                               | 66.0                                                                                    | 307.7                                                                                  | 40,300                                                                                 | 110                                                                                    |
| 115                                                                                  | 62.1                                                                                  | 301.8                                                                                | 35,200                                                                               | 63.1                                                                                  | 303.4                                                                                | 39,500                                                                               | 64.6                                                                                    | 305.3                                                                                  | 38,100                                                                                 | 115                                                                                    |
| 120                                                                                  | 60.6                                                                                  | 299.0                                                                                | 34,600                                                                               | 61.6                                                                                  | 300.7                                                                                | 37,400                                                                               | 63.1                                                                                    | 302.8                                                                                  | 35,900                                                                                 | 120                                                                                    |
| 125                                                                                  | 59.1                                                                                  | 296.1                                                                                | 33,100                                                                               | 60.1                                                                                  | 297.9                                                                                | 35,200                                                                               | 61.7                                                                                    | 300.2                                                                                  | 33,800                                                                                 | 125                                                                                    |
| 130                                                                                  | 57.5                                                                                  | 292.9                                                                                | 31,700                                                                               | 58.6                                                                                  | 294.9                                                                                | 33,200                                                                               | 60.2                                                                                    | 297.4                                                                                  | 31,800                                                                                 | 130                                                                                    |
| 134                                                                                  | 55.4                                                                                  | 290.3                                                                                | 30,600                                                                               | 57.2                                                                                  | 292.3                                                                                | 31,800                                                                               | 58.4                                                                                    | 295.0                                                                                  | 30,400                                                                                 | 134                                                                                    |
| 135                                                                                  | 56.0                                                                                  | 289.6                                                                                | 30,300                                                                               | 57.0                                                                                  | 291.7                                                                                | 31,400                                                                               | 58.6                                                                                    | 294.4                                                                                  | 30,100                                                                                 | 135                                                                                    |
| 140                                                                                  | 54.4                                                                                  | 286.1                                                                                | 28,900                                                                               | 55.5                                                                                  | 288.3                                                                                | 29,700                                                                               | 57.1                                                                                    | 291.2                                                                                  | 28,500                                                                                 | 140                                                                                    |
| 145                                                                                  | 52.7                                                                                  | 282.3                                                                                | 27,500                                                                               | 53.9                                                                                  | 284.7                                                                                | 28,200                                                                               | 55.5                                                                                    | 287.8                                                                                  | 26,900                                                                                 | 145                                                                                    |
| 150                                                                                  | 51.1                                                                                  | 278.4                                                                                | 26,300                                                                               | 52.2                                                                                  | 280.9                                                                                | 26,700                                                                               | 53.9                                                                                    | 284.2                                                                                  | 25,500                                                                                 | 150                                                                                    |
| 155                                                                                  | 49.4                                                                                  | 274.2                                                                                | 25,100                                                                               | 50.6                                                                                  | 276.9                                                                                | 25,400                                                                               | 52.3                                                                                    | 280.4                                                                                  | 24,200                                                                                 | 155                                                                                    |
| 159                                                                                  | 47.4                                                                                  | 270.6                                                                                | 23,900                                                                               | 48.4                                                                                  | 273.4                                                                                | 24,400                                                                               | 50.4                                                                                    | 277.2                                                                                  | 23,300                                                                                 | 159                                                                                    |
| 160                                                                                  | 47.6                                                                                  | 269.7                                                                                | 23,600                                                                               | 48.8                                                                                  | 272.6                                                                                | 24,100                                                                               | 50.6                                                                                    | 276.4                                                                                  | 23,000                                                                                 | 160                                                                                    |
| 165                                                                                  | 45.8                                                                                  | 264.9                                                                                | 22,300                                                                               | 47.1                                                                                  | 268.0                                                                                | 22,900                                                                               | 48.9                                                                                    | 272.1                                                                                  | 21,900                                                                                 | 165                                                                                    |
| 170                                                                                  | 44.0                                                                                  | 259.8                                                                                | 21,100                                                                               | 45.3                                                                                  | 263.1                                                                                | 21,800                                                                               | 47.1                                                                                    | 267.6                                                                                  | 20,800                                                                                 | 170                                                                                    |
| 175                                                                                  | 42.0                                                                                  | 254.4                                                                                | 19,900                                                                               | 43.4                                                                                  | 258.0                                                                                | 20,700                                                                               | 45.3                                                                                    | 262.7                                                                                  | 19,800                                                                                 | 175                                                                                    |
| 180                                                                                  | 40.0                                                                                  | 248.6                                                                                | 18,800                                                                               | 41.4                                                                                  | 252.4                                                                                | 19,500                                                                               | 43.5                                                                                    | 257.6                                                                                  | 18,800                                                                                 | 180                                                                                    |
| 183                                                                                  | 38.5                                                                                  | 244.7                                                                                | 18,200                                                                               | 39.8                                                                                  | 248.7                                                                                | 18,900                                                                               | 41.8                                                                                    | 254.1                                                                                  | 18,300                                                                                 | 183                                                                                    |
| 190                                                                                  | 35.8                                                                                  | 235.6                                                                                | 16,800                                                                               | 37.3                                                                                  | 240.1                                                                                | 17,400                                                                               | 39.5                                                                                    | 246.1                                                                                  | 17,100                                                                                 | 190                                                                                    |
| 200                                                                                  | 31.0                                                                                  | 220.2                                                                                | 15,000                                                                               | 32.7                                                                                  | 225.6                                                                                | 15,600                                                                               | 35.2                                                                                    | 232.8                                                                                  | 15,500                                                                                 | 200                                                                                    |
| 210                                                                                  | 25.4                                                                                  | 201.3                                                                                | 13,400                                                                               | 27.5                                                                                  | 208.1                                                                                | 13,900                                                                               | 30.3                                                                                    | 217.1                                                                                  | 14,100                                                                                 | 210                                                                                    |
| 220                                                                                  | 18.3                                                                                  | 176.0                                                                                | 12,000                                                                               | 21.1                                                                                  | 185.6                                                                                | 12,400                                                                               | 24.6                                                                                    | 197.6                                                                                  | 12,800                                                                                 | 220                                                                                    |
| 230                                                                                  | 5.0                                                                                   | 126.1                                                                                | 7,800                                                                                | 11.6                                                                                  | 150.7                                                                                | 10,400                                                                               | 17.2                                                                                    | 170.9                                                                                  | 11,600                                                                                 | 230                                                                                    |
| 234                                                                                  |                                                                                       |                                                                                      |                                                                                      | 2.9                                                                                   | 117.7                                                                                | 7,600                                                                                | 10.8                                                                                    | 148.6                                                                                  | 10,400                                                                                 | 234                                                                                    |
| 239                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.9                                                                                     | 120.8                                                                                  | 8,800                                                                                  | 239                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 244                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 244                                                                                    |
| 245                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 245                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |
| 253                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 253                                                                                    |
| 260                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 260                                                                                    |
| 261                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 261                                                                                    |

# MLC250 S-2

ASME B30.5



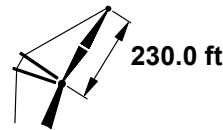
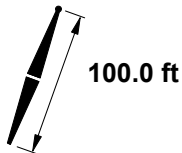
184,600 lb  
+  
44,000 lb

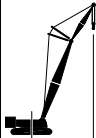
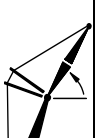
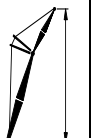
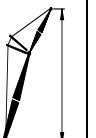


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  |      |       |        |      |       |        |      |       |        |      |       |        | 93  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 67.8 | 309.4 | 39,500 |      |       |        |      |       |        |      |       |        | 109 |
| 110 | 67.5 | 309.0 | 39,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 66.1 | 306.8 | 36,600 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 64.6 | 304.5 | 34,300 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 63.2 | 302.0 | 32,300 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 61.7 | 299.4 | 30,500 |      |       |        |      |       |        |      |       |        | 130 |
| 134 | 60.2 | 297.1 | 29,100 | 63.0 | 299.7 | 26,900 |      |       |        |      |       |        | 134 |
| 135 | 60.2 | 296.6 | 28,800 | 62.7 | 299.2 | 26,600 |      |       |        |      |       |        | 135 |
| 140 | 58.7 | 293.6 | 27,200 | 61.3 | 296.5 | 25,100 |      |       |        |      |       |        | 140 |
| 145 | 57.2 | 290.4 | 25,700 | 59.8 | 293.6 | 23,700 |      |       |        |      |       |        | 145 |
| 150 | 55.6 | 287.0 | 24,400 | 58.2 | 290.5 | 22,400 |      |       |        |      |       |        | 150 |
| 155 | 54.0 | 283.5 | 23,100 | 56.7 | 287.3 | 21,200 |      |       |        |      |       |        | 155 |
| 159 | 52.2 | 280.4 | 22,100 | 55.2 | 284.6 | 20,300 | 58.0 | 287.3 | 18,500 |      |       |        | 159 |
| 160 | 52.4 | 279.7 | 21,900 | 55.1 | 283.9 | 20,100 | 57.7 | 286.6 | 18,300 |      |       |        | 160 |
| 165 | 50.7 | 275.6 | 20,800 | 53.5 | 280.2 | 19,000 | 56.1 | 283.3 | 17,300 |      |       |        | 165 |
| 170 | 49.0 | 271.4 | 19,800 | 51.8 | 276.4 | 18,000 | 54.5 | 279.8 | 16,400 |      |       |        | 170 |
| 175 | 47.2 | 266.8 | 18,800 | 50.2 | 272.3 | 17,100 | 52.9 | 276.1 | 15,500 |      |       |        | 175 |
| 180 | 45.4 | 262.0 | 17,900 | 48.4 | 267.9 | 16,300 | 51.3 | 272.2 | 14,700 |      |       |        | 180 |
| 183 | 43.8 | 258.8 | 17,300 | 46.8 | 265.1 | 15,800 | 49.8 | 269.6 | 14,200 | 52.9 | 272.6 | 12,700 | 183 |
| 190 | 41.6 | 251.3 | 16,200 | 44.8 | 258.4 | 14,700 | 47.8 | 263.5 | 13,200 | 50.6 | 267.0 | 11,700 | 190 |
| 200 | 37.5 | 239.1 | 14,600 | 41.0 | 247.5 | 13,200 | 44.2 | 253.8 | 11,800 | 47.1 | 258.2 | 10,400 | 200 |
| 210 | 32.9 | 224.7 | 13,300 | 36.8 | 234.9 | 11,900 | 40.3 | 242.6 | 10,600 | 43.4 | 248.1 | 9,100  | 210 |
| 220 | 27.7 | 207.3 | 12,000 | 32.2 | 220.2 | 10,700 | 36.0 | 229.7 | 9,500  | 39.5 | 236.7 | 7,900  | 220 |
| 230 | 21.3 | 185.0 | 10,900 | 26.8 | 202.3 | 9,700  | 31.3 | 214.5 | 8,400  | 35.1 | 223.4 | 6,800  | 230 |
| 234 | 17.4 | 171.4 | 10,400 | 23.6 | 192.9 | 9,200  | 28.6 | 207.1 | 8,000  | 33.0 | 217.0 | 6,400  | 234 |
| 239 | 12.9 | 154.4 | 9,900  | 20.6 | 181.2 | 8,700  | 25.6 | 197.7 | 7,400  | 30.5 | 209.1 | 5,900  | 239 |
| 240 | 12.1 | 151.0 | 9,800  | 20.2 | 178.9 | 8,600  | 25.8 | 195.9 | 7,300  | 30.3 | 207.6 | 5,800  | 240 |
| 244 | 4.5  | 122.3 | 9,300  | 16.0 | 166.3 | 8,300  | 22.6 | 186.8 | 6,900  | 27.6 | 200.2 | 5,500  | 244 |
| 245 |      |       |        | 15.9 | 163.2 | 8,200  | 22.5 | 184.5 | 6,800  | 27.5 | 198.4 | 5,400  | 245 |
| 250 |      |       |        | 9.9  | 140.8 | 7,700  | 18.8 | 171.0 | 6,300  |      |       |        | 250 |
| 253 |      |       |        | 1.7  | 109.3 | 7,300  | 14.4 | 157.4 | 6,000  |      |       |        | 253 |
| 260 |      |       |        |      |       |        | 6.6  | 125.5 | 5,300  |      |       |        | 260 |
| 261 |      |       |        |      |       |        | 3.4  | 113.3 | 5,200  |      |       |        | 261 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 68                                                                                   | 75.9                                                                                  | 330.8                                                                                | 36,300                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 68                                                                                     |
| 70                                                                                   | 75.4                                                                                  | 330.3                                                                                | 36,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 74.1                                                                                  | 328.9                                                                                | 35,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 79                                                                                   | 72.4                                                                                  | 327.7                                                                                | 35,500                                                                               | 74.0                                                                                  | 328.5                                                                                | 40,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 79                                                                                     |
| 80                                                                                   | 72.8                                                                                  | 327.4                                                                                | 35,400                                                                               | 73.7                                                                                  | 328.2                                                                                | 40,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 71.5                                                                                  | 325.7                                                                                | 35,000                                                                               | 72.4                                                                                  | 326.6                                                                                | 40,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 70.2                                                                                  | 324.0                                                                                | 34,600                                                                               | 71.1                                                                                  | 324.9                                                                                | 40,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 95                                                                                   | 68.8                                                                                  | 322.1                                                                                | 34,300                                                                               | 69.8                                                                                  | 323.1                                                                                | 39,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 96                                                                                   | 67.8                                                                                  | 321.7                                                                                | 34,200                                                                               | 68.8                                                                                  | 322.7                                                                                | 39,500                                                                               | 70.9                                                                                    | 324.0                                                                                  | 38,900                                                                                 | 96                                                                                     |
| 100                                                                                  | 67.5                                                                                  | 320.0                                                                                | 33,900                                                                               | 68.4                                                                                  | 321.2                                                                                | 39,200                                                                               | 69.8                                                                                    | 322.6                                                                                  | 38,700                                                                                 | 100                                                                                    |
| 105                                                                                  | 66.1                                                                                  | 317.8                                                                                | 33,600                                                                               | 67.1                                                                                  | 319.1                                                                                | 38,800                                                                               | 68.5                                                                                    | 320.7                                                                                  | 38,400                                                                                 | 105                                                                                    |
| 110                                                                                  | 64.8                                                                                  | 315.5                                                                                | 33,200                                                                               | 65.7                                                                                  | 316.9                                                                                | 38,500                                                                               | 67.1                                                                                    | 318.6                                                                                  | 38,100                                                                                 | 110                                                                                    |
| 112                                                                                  | 63.6                                                                                  | 314.5                                                                                | 33,100                                                                               | 64.6                                                                                  | 315.9                                                                                | 38,300                                                                               | 66.2                                                                                    | 317.7                                                                                  | 38,000                                                                                 | 112                                                                                    |
| 115                                                                                  | 63.4                                                                                  | 313.1                                                                                | 32,900                                                                               | 64.3                                                                                  | 314.5                                                                                | 38,100                                                                               | 65.8                                                                                    | 316.4                                                                                  | 37,800                                                                                 | 115                                                                                    |
| 120                                                                                  | 62.0                                                                                  | 310.4                                                                                | 32,600                                                                               | 62.9                                                                                  | 312.0                                                                                | 36,800                                                                               | 64.4                                                                                    | 314.0                                                                                  | 35,500                                                                                 | 120                                                                                    |
| 125                                                                                  | 60.5                                                                                  | 307.7                                                                                | 31,300                                                                               | 61.5                                                                                  | 309.4                                                                                | 34,900                                                                               | 63.0                                                                                    | 311.5                                                                                  | 33,400                                                                                 | 125                                                                                    |
| 130                                                                                  | 59.1                                                                                  | 304.7                                                                                | 30,100                                                                               | 60.1                                                                                  | 306.5                                                                                | 32,900                                                                               | 61.6                                                                                    | 308.8                                                                                  | 31,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 57.6                                                                                  | 301.6                                                                                | 28,800                                                                               | 58.7                                                                                  | 303.5                                                                                | 31,100                                                                               | 60.2                                                                                    | 306.0                                                                                  | 29,800                                                                                 | 135                                                                                    |
| 139                                                                                  | 56.2                                                                                  | 299.0                                                                                | 27,800                                                                               | 57.2                                                                                  | 301.0                                                                                | 29,800                                                                               | 58.4                                                                                    | 303.6                                                                                  | 28,500                                                                                 | 139                                                                                    |
| 140                                                                                  | 56.1                                                                                  | 298.3                                                                                | 27,600                                                                               | 57.2                                                                                  | 300.4                                                                                | 29,400                                                                               | 58.7                                                                                    | 303.0                                                                                  | 28,100                                                                                 | 140                                                                                    |
| 145                                                                                  | 54.6                                                                                  | 294.8                                                                                | 26,400                                                                               | 55.7                                                                                  | 297.0                                                                                | 27,900                                                                               | 57.2                                                                                    | 299.9                                                                                  | 26,600                                                                                 | 145                                                                                    |
| 150                                                                                  | 53.1                                                                                  | 291.1                                                                                | 25,300                                                                               | 54.1                                                                                  | 293.4                                                                                | 26,400                                                                               | 55.7                                                                                    | 296.5                                                                                  | 25,200                                                                                 | 150                                                                                    |
| 155                                                                                  | 51.5                                                                                  | 287.2                                                                                | 24,200                                                                               | 52.6                                                                                  | 289.7                                                                                | 25,100                                                                               | 54.2                                                                                    | 293.0                                                                                  | 23,900                                                                                 | 155                                                                                    |
| 160                                                                                  | 49.9                                                                                  | 283.0                                                                                | 23,100                                                                               | 51.0                                                                                  | 285.7                                                                                | 23,800                                                                               | 52.6                                                                                    | 289.2                                                                                  | 22,700                                                                                 | 160                                                                                    |
| 165                                                                                  | 48.2                                                                                  | 278.6                                                                                | 21,900                                                                               | 49.4                                                                                  | 281.5                                                                                | 22,600                                                                               | 51.1                                                                                    | 285.2                                                                                  | 21,600                                                                                 | 165                                                                                    |
| 170                                                                                  | 46.5                                                                                  | 274.0                                                                                | 20,700                                                                               | 47.7                                                                                  | 277.0                                                                                | 21,500                                                                               | 49.4                                                                                    | 281.0                                                                                  | 20,500                                                                                 | 170                                                                                    |
| 175                                                                                  | 44.8                                                                                  | 269.0                                                                                | 19,500                                                                               | 46.0                                                                                  | 272.3                                                                                | 20,300                                                                               | 47.8                                                                                    | 276.6                                                                                  | 19,500                                                                                 | 175                                                                                    |
| 180                                                                                  | 42.9                                                                                  | 263.8                                                                                | 18,400                                                                               | 44.2                                                                                  | 267.2                                                                                | 19,100                                                                               | 46.0                                                                                    | 271.8                                                                                  | 18,500                                                                                 | 180                                                                                    |
| 185                                                                                  | 41.1                                                                                  | 258.2                                                                                | 17,400                                                                               | 42.4                                                                                  | 261.9                                                                                | 18,100                                                                               | 44.3                                                                                    | 266.8                                                                                  | 17,600                                                                                 | 185                                                                                    |
| 189                                                                                  | 39.4                                                                                  | 253.4                                                                                | 16,600                                                                               | 40.4                                                                                  | 257.3                                                                                | 17,200                                                                               | 42.4                                                                                    | 262.5                                                                                  | 17,000                                                                                 | 189                                                                                    |
| 190                                                                                  | 39.1                                                                                  | 252.2                                                                                | 16,400                                                                               | 40.5                                                                                  | 256.1                                                                                | 17,000                                                                               | 42.5                                                                                    | 261.5                                                                                  | 16,800                                                                                 | 190                                                                                    |
| 195                                                                                  | 37.1                                                                                  | 245.7                                                                                | 15,500                                                                               | 38.5                                                                                  | 250.0                                                                                | 16,100                                                                               | 40.6                                                                                    | 255.7                                                                                  | 16,000                                                                                 | 195                                                                                    |
| 200                                                                                  | 35.0                                                                                  | 238.7                                                                                | 14,600                                                                               | 36.5                                                                                  | 243.4                                                                                | 15,200                                                                               | 38.6                                                                                    | 249.6                                                                                  | 15,200                                                                                 | 200                                                                                    |
| 210                                                                                  | 30.3                                                                                  | 222.9                                                                                | 13,000                                                                               | 32.0                                                                                  | 228.5                                                                                | 13,500                                                                               | 34.4                                                                                    | 235.9                                                                                  | 13,800                                                                                 | 210                                                                                    |
| 220                                                                                  | 24.8                                                                                  | 203.5                                                                                | 11,500                                                                               | 26.9                                                                                  | 210.5                                                                                | 12,000                                                                               | 29.6                                                                                    | 219.7                                                                                  | 12,500                                                                                 | 220                                                                                    |
| 230                                                                                  | 17.9                                                                                  | 177.5                                                                                | 10,200                                                                               | 20.6                                                                                  | 187.4                                                                                | 10,700                                                                               | 24.0                                                                                    | 199.7                                                                                  | 11,300                                                                                 | 230                                                                                    |
| 240                                                                                  | 4.9                                                                                   | 126.5                                                                                | 6,300                                                                                | 11.3                                                                                  | 151.7                                                                                | 8,700                                                                                | 16.8                                                                                    | 172.3                                                                                  | 10,000                                                                                 | 240                                                                                    |
| 244                                                                                  |                                                                                       |                                                                                      |                                                                                      | 2.9                                                                                   | 117.9                                                                                | 6,200                                                                                | 10.2                                                                                    | 149.6                                                                                  | 8,800                                                                                  | 244                                                                                    |
| 249                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.8                                                                                     | 121.1                                                                                  | 7,300                                                                                  | 249                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |
| 254                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 254                                                                                    |
| 255                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 255                                                                                    |
| 260                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 260                                                                                    |
| 263                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 263                                                                                    |

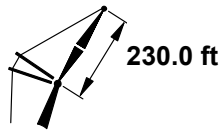
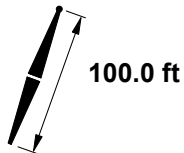


# MLC250 S-2

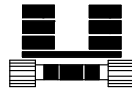
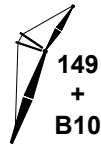
ASME B30.5



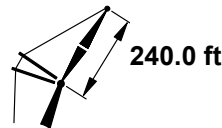
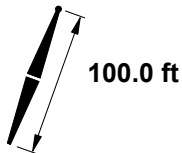
184,600 lb  
+  
44,000 lb

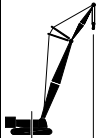
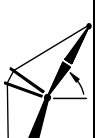
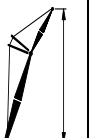
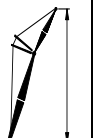
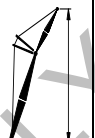
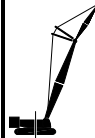


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  |      |       |        |      |       |        |      |       |        |      |       |        | 79  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 96  |      |       |        |      |       |        |      |       |        |      |       |        | 96  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |        | 110 |
| 112 | 68.0 | 319.0 | 37,700 |      |       |        |      |       |        |      |       |        | 112 |
| 115 | 67.2 | 317.8 | 36,200 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 65.8 | 315.6 | 34,000 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 64.4 | 313.2 | 32,000 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 63.0 | 310.7 | 30,100 |      |       |        |      |       |        |      |       |        | 130 |
| 135 | 61.6 | 308.0 | 28,400 |      |       |        |      |       |        |      |       |        | 135 |
| 139 | 60.2 | 305.8 | 27,200 | 62.9 | 308.3 | 25,000 |      |       |        |      |       |        | 139 |
| 140 | 60.2 | 305.2 | 26,900 | 62.6 | 307.8 | 24,700 |      |       |        |      |       |        | 140 |
| 145 | 58.8 | 302.2 | 25,400 | 61.2 | 305.1 | 23,400 |      |       |        |      |       |        | 145 |
| 150 | 57.3 | 299.1 | 24,000 | 59.8 | 302.3 | 22,100 |      |       |        |      |       |        | 150 |
| 155 | 55.8 | 295.7 | 22,800 | 58.3 | 299.2 | 20,900 |      |       |        |      |       |        | 155 |
| 160 | 54.3 | 292.2 | 21,600 | 56.8 | 296.0 | 19,800 |      |       |        |      |       |        | 160 |
| 165 | 52.7 | 288.4 | 20,500 | 55.3 | 292.6 | 18,700 | 57.8 | 295.3 | 17,000 |      |       |        | 165 |
| 170 | 51.1 | 284.5 | 19,400 | 53.8 | 289.0 | 17,700 | 56.3 | 292.0 | 16,100 |      |       |        | 170 |
| 175 | 49.5 | 280.3 | 18,500 | 52.2 | 285.2 | 16,800 | 54.8 | 288.6 | 15,200 |      |       |        | 175 |
| 180 | 47.8 | 275.8 | 17,600 | 50.6 | 281.1 | 15,900 | 53.2 | 284.9 | 14,400 |      |       |        | 180 |
| 185 | 46.1 | 271.1 | 16,700 | 49.0 | 276.9 | 15,100 | 51.7 | 281.0 | 13,600 |      |       |        | 185 |
| 189 | 44.4 | 267.1 | 16,000 | 47.2 | 273.2 | 14,500 | 50.2 | 277.7 | 13,000 | 52.9 | 280.6 | 11,500 | 189 |
| 190 | 44.3 | 266.1 | 15,900 | 47.3 | 272.3 | 14,400 | 50.1 | 276.9 | 12,900 | 52.6 | 279.8 | 11,400 | 190 |
| 195 | 42.5 | 260.7 | 15,100 | 45.6 | 267.5 | 13,600 | 48.4 | 272.5 | 12,200 | 51.0 | 275.8 | 10,600 | 195 |
| 200 | 40.6 | 255.0 | 14,400 | 43.8 | 262.4 | 12,900 | 46.7 | 267.9 | 11,500 | 49.4 | 271.6 | 9,900  | 200 |
| 210 | 36.6 | 242.4 | 13,000 | 40.0 | 251.1 | 11,600 | 43.2 | 257.7 | 10,300 | 46.0 | 262.4 | 8,600  | 210 |
| 220 | 32.2 | 227.6 | 11,700 | 36.0 | 238.2 | 10,500 | 39.4 | 246.2 | 9,100  | 42.4 | 252.0 | 7,500  | 220 |
| 230 | 27.1 | 209.7 | 10,600 | 31.4 | 223.0 | 9,400  | 35.2 | 232.9 | 8,000  | 38.5 | 240.2 | 6,400  | 230 |
| 240 | 20.8 | 186.9 | 9,600  | 26.2 | 204.6 | 8,400  | 30.6 | 217.3 | 6,900  | 34.3 | 226.5 | 5,400  | 240 |
| 244 | 16.4 | 172.9 | 9,200  | 23.2 | 195.0 | 8,000  | 28.0 | 209.6 | 6,500  |      |       |        | 244 |
| 249 | 11.9 | 155.5 | 8,700  | 19.7 | 183.0 | 7,500  | 25.5 | 200.0 | 6,000  |      |       |        | 249 |
| 250 | 11.8 | 152.0 | 8,600  | 19.7 | 180.6 | 7,400  | 25.2 | 198.1 | 5,900  |      |       |        | 250 |
| 254 | 4.4  | 122.7 | 8,000  | 15.8 | 167.8 | 7,000  | 22.6 | 188.8 | 5,600  |      |       |        | 254 |
| 255 |      |       |        | 15.5 | 164.5 | 6,900  | 22.0 | 186.5 | 5,500  |      |       |        | 255 |
| 260 |      |       |        | 9.7  | 141.6 | 6,400  |      |       |        |      |       |        | 260 |
| 263 |      |       |        | 1.6  | 109.4 | 6,000  |      |       |        |      |       |        | 263 |



184,600 lb  
+  
44,000 lb



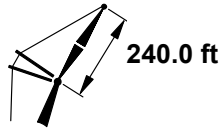
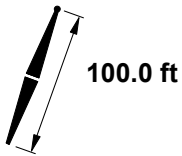
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 70                                                                                | 76.0                                                                                  | 340.6                                                                             | 32,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 74.8                                                                                  | 339.3                                                                             | 32,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.5                                                                                  | 337.8                                                                             | 32,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 82                                                                                | 72.6                                                                                  | 337.2                                                                             | 32,000                                                                            | 73.9                                                                                  | 338.0                                                                             | 36,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 82                                                                                  |
| 85                                                                                | 72.3                                                                                  | 336.3                                                                             | 31,800                                                                            | 73.2                                                                                  | 337.1                                                                             | 36,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 71.0                                                                                  | 334.6                                                                             | 31,400                                                                            | 71.9                                                                                  | 335.5                                                                             | 36,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.8                                                                                  | 332.8                                                                             | 31,100                                                                            | 70.6                                                                                  | 333.8                                                                             | 35,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 99                                                                                | 68.2                                                                                  | 331.2                                                                             | 30,800                                                                            | 69.2                                                                                  | 332.3                                                                             | 35,600                                                                            | 70.9                                                                                    | 333.6                                                                               | 35,000                                                                              | 99                                                                                  |
| 100                                                                               | 68.5                                                                                  | 330.8                                                                             | 30,700                                                                            | 69.4                                                                                  | 331.9                                                                             | 35,500                                                                            | 70.7                                                                                    | 333.2                                                                               | 34,900                                                                              | 100                                                                                 |
| 105                                                                               | 67.2                                                                                  | 328.8                                                                             | 30,400                                                                            | 68.1                                                                                  | 330.0                                                                             | 35,100                                                                            | 69.4                                                                                    | 331.4                                                                               | 34,600                                                                              | 105                                                                                 |
| 110                                                                               | 65.9                                                                                  | 326.6                                                                             | 30,000                                                                            | 66.8                                                                                  | 327.8                                                                             | 34,800                                                                            | 68.1                                                                                    | 329.4                                                                               | 34,400                                                                              | 110                                                                                 |
| 115                                                                               | 64.6                                                                                  | 324.2                                                                             | 29,700                                                                            | 65.5                                                                                  | 325.6                                                                             | 34,400                                                                            | 66.8                                                                                    | 327.3                                                                               | 34,100                                                                              | 115                                                                                 |
| 116                                                                               | 63.8                                                                                  | 323.7                                                                             | 29,700                                                                            | 64.8                                                                                  | 325.1                                                                             | 34,300                                                                            | 65.8                                                                                    | 326.9                                                                               | 34,000                                                                              | 116                                                                                 |
| 120                                                                               | 63.2                                                                                  | 321.7                                                                             | 29,400                                                                            | 64.2                                                                                  | 323.2                                                                             | 34,100                                                                            | 65.5                                                                                    | 325.1                                                                               | 33,800                                                                              | 120                                                                                 |
| 125                                                                               | 61.9                                                                                  | 319.1                                                                             | 29,100                                                                            | 62.8                                                                                  | 320.7                                                                             | 33,700                                                                            | 64.2                                                                                    | 322.7                                                                               | 33,000                                                                              | 125                                                                                 |
| 130                                                                               | 60.5                                                                                  | 316.3                                                                             | 28,800                                                                            | 61.5                                                                                  | 318.0                                                                             | 32,500                                                                            | 62.9                                                                                    | 320.2                                                                               | 31,100                                                                              | 130                                                                                 |
| 135                                                                               | 59.1                                                                                  | 313.4                                                                             | 27,800                                                                            | 60.1                                                                                  | 315.2                                                                             | 30,700                                                                            | 61.5                                                                                    | 317.5                                                                               | 29,300                                                                              | 135                                                                                 |
| 140                                                                               | 57.7                                                                                  | 310.3                                                                             | 26,700                                                                            | 58.7                                                                                  | 312.2                                                                             | 29,000                                                                            | 60.2                                                                                    | 314.7                                                                               | 27,700                                                                              | 140                                                                                 |
| 144                                                                               | 56.2                                                                                  | 307.6                                                                             | 25,800                                                                            | 57.2                                                                                  | 309.7                                                                             | 27,800                                                                            | 58.4                                                                                    | 312.3                                                                               | 26,500                                                                              | 144                                                                                 |
| 145                                                                               | 56.3                                                                                  | 307.0                                                                             | 25,600                                                                            | 57.3                                                                                  | 309.0                                                                             | 27,500                                                                            | 58.8                                                                                    | 311.7                                                                               | 26,200                                                                              | 145                                                                                 |
| 150                                                                               | 54.8                                                                                  | 303.5                                                                             | 24,600                                                                            | 55.9                                                                                  | 305.7                                                                             | 26,000                                                                            | 57.4                                                                                    | 308.5                                                                               | 24,800                                                                              | 150                                                                                 |
| 155                                                                               | 53.4                                                                                  | 299.9                                                                             | 23,600                                                                            | 54.4                                                                                  | 302.2                                                                             | 24,700                                                                            | 55.9                                                                                    | 305.2                                                                               | 23,500                                                                              | 155                                                                                 |
| 160                                                                               | 51.9                                                                                  | 296.0                                                                             | 22,600                                                                            | 52.9                                                                                  | 298.4                                                                             | 23,400                                                                            | 54.5                                                                                    | 301.7                                                                               | 22,300                                                                              | 160                                                                                 |
| 165                                                                               | 50.3                                                                                  | 291.9                                                                             | 21,400                                                                            | 51.4                                                                                  | 294.5                                                                             | 22,200                                                                            | 53.0                                                                                    | 298.0                                                                               | 21,100                                                                              | 165                                                                                 |
| 170                                                                               | 48.7                                                                                  | 287.6                                                                             | 20,100                                                                            | 49.8                                                                                  | 290.4                                                                             | 21,000                                                                            | 51.5                                                                                    | 294.1                                                                               | 20,100                                                                              | 170                                                                                 |
| 175                                                                               | 47.1                                                                                  | 283.0                                                                             | 19,000                                                                            | 48.3                                                                                  | 286.0                                                                             | 19,800                                                                            | 49.9                                                                                    | 289.9                                                                               | 19,100                                                                              | 175                                                                                 |
| 180                                                                               | 45.5                                                                                  | 278.2                                                                             | 17,900                                                                            | 46.6                                                                                  | 281.3                                                                             | 18,600                                                                            | 48.3                                                                                    | 285.5                                                                               | 18,100                                                                              | 180                                                                                 |
| 185                                                                               | 43.8                                                                                  | 273.1                                                                             | 16,800                                                                            | 45.0                                                                                  | 276.4                                                                             | 17,500                                                                            | 46.7                                                                                    | 280.9                                                                               | 17,200                                                                              | 185                                                                                 |
| 190                                                                               | 42.0                                                                                  | 267.6                                                                             | 15,900                                                                            | 43.2                                                                                  | 271.2                                                                             | 16,500                                                                            | 45.0                                                                                    | 276.0                                                                               | 16,400                                                                              | 190                                                                                 |
| 195                                                                               | 40.2                                                                                  | 261.8                                                                             | 14,900                                                                            | 41.4                                                                                  | 265.6                                                                             | 15,600                                                                            | 43.3                                                                                    | 270.8                                                                               | 15,600                                                                              | 195                                                                                 |
| 200                                                                               | 38.3                                                                                  | 255.6                                                                             | 14,100                                                                            | 39.6                                                                                  | 259.7                                                                             | 14,700                                                                            | 41.5                                                                                    | 265.3                                                                               | 14,800                                                                              | 200                                                                                 |
| 205                                                                               | 36.3                                                                                  | 249.0                                                                             | 13,200                                                                            | 37.7                                                                                  | 253.4                                                                             | 13,800                                                                            | 39.7                                                                                    | 259.4                                                                               | 14,100                                                                              | 205                                                                                 |
| 210                                                                               | 34.2                                                                                  | 241.8                                                                             | 12,500                                                                            | 35.7                                                                                  | 246.6                                                                             | 13,000                                                                            | 37.7                                                                                    | 253.0                                                                               | 13,400                                                                              | 210                                                                                 |
| 215                                                                               | 32.0                                                                                  | 234.1                                                                             | 11,700                                                                            | 33.5                                                                                  | 239.3                                                                             | 12,200                                                                            | 35.7                                                                                    | 246.3                                                                               | 12,800                                                                              | 215                                                                                 |
| 220                                                                               | 29.6                                                                                  | 225.6                                                                             | 11,000                                                                            | 31.3                                                                                  | 231.3                                                                             | 11,500                                                                            | 33.6                                                                                    | 239.0                                                                               | 12,100                                                                              | 220                                                                                 |
| 230                                                                               | 24.3                                                                                  | 205.6                                                                             | 9,700                                                                             | 26.3                                                                                  | 212.9                                                                             | 10,100                                                                            | 29.0                                                                                    | 222.3                                                                               | 10,800                                                                              | 230                                                                                 |
| 235                                                                               | 21.2                                                                                  | 193.5                                                                             | 9,100                                                                             | 23.4                                                                                  | 201.9                                                                             | 9,500                                                                             | 26.4                                                                                    | 212.7                                                                               | 10,100                                                                              | 235                                                                                 |
| 240                                                                               | 17.5                                                                                  | 179.0                                                                             | 8,500                                                                             | 20.1                                                                                  | 189.2                                                                             | 8,900                                                                             | 23.5                                                                                    | 201.8                                                                               | 9,500                                                                               | 240                                                                                 |
| 245                                                                               | 12.9                                                                                  | 160.2                                                                             | 7,200                                                                             | 16.2                                                                                  | 173.7                                                                             | 8,300                                                                             | 20.3                                                                                    | 189.1                                                                               | 8,900                                                                               | 245                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   | 11.1                                                                                  | 152.6                                                                             | 7,100                                                                             | 16.4                                                                                    | 173.8                                                                               | 8,300                                                                               | 250                                                                                 |
| 259                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.7                                                                                     | 121.4                                                                               | 5,800                                                                               | 259                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 260                                                                                 |
| 264                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 264                                                                                 |
| 265                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 265                                                                                 |

# MLC250 S-2

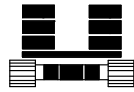
ASME B30.5



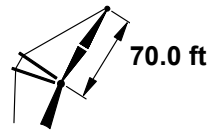
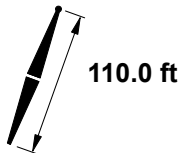
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 82  |      |       |        |      |       |        |      |       |        |      |       |       | 82  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 99  |      |       |        |      |       |        |      |       |        |      |       |       | 99  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |       | 110 |
| 115 |      |       |        |      |       |        |      |       |        |      |       |       | 115 |
| 116 | 67.9 | 328.2 | 35,300 |      |       |        |      |       |        |      |       |       | 116 |
| 120 | 66.9 | 326.5 | 33,600 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 65.6 | 324.3 | 31,500 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 64.3 | 321.9 | 29,700 |      |       |        |      |       |        |      |       |       | 130 |
| 135 | 62.9 | 319.4 | 28,000 |      |       |        |      |       |        |      |       |       | 135 |
| 140 | 61.6 | 316.7 | 26,400 |      |       |        |      |       |        |      |       |       | 140 |
| 144 | 60.2 | 314.4 | 25,200 | 62.8 | 317.0 | 23,100 |      |       |        |      |       |       | 144 |
| 145 | 60.2 | 313.9 | 24,900 | 62.5 | 316.5 | 22,900 |      |       |        |      |       |       | 145 |
| 150 | 58.8 | 310.9 | 23,600 | 61.2 | 313.8 | 21,600 |      |       |        |      |       |       | 150 |
| 155 | 57.4 | 307.8 | 22,300 | 59.8 | 310.9 | 20,400 |      |       |        |      |       |       | 155 |
| 160 | 56.0 | 304.4 | 21,200 | 58.4 | 307.9 | 19,300 |      |       |        |      |       |       | 160 |
| 165 | 54.5 | 300.9 | 20,000 | 57.0 | 304.7 | 18,200 |      |       |        |      |       |       | 165 |
| 170 | 53.0 | 297.2 | 19,000 | 55.5 | 301.3 | 17,300 | 57.9 | 304.0 | 15,600 |      |       |       | 170 |
| 175 | 51.5 | 293.3 | 18,000 | 54.1 | 297.7 | 16,300 | 56.5 | 300.7 | 14,700 |      |       |       | 175 |
| 180 | 50.0 | 289.2 | 17,100 | 52.6 | 294.0 | 15,500 | 55.0 | 297.3 | 13,900 |      |       |       | 180 |
| 185 | 48.4 | 284.8 | 16,300 | 51.0 | 290.0 | 14,700 | 53.5 | 293.6 | 13,100 |      |       |       | 185 |
| 190 | 46.7 | 280.2 | 15,400 | 49.5 | 285.8 | 13,900 | 52.0 | 289.8 | 12,400 |      |       |       | 190 |
| 195 | 45.1 | 275.3 | 14,700 | 47.9 | 281.3 | 13,200 | 50.5 | 285.7 | 11,700 | 52.9 | 288.6 | 9,900 | 195 |
| 200 | 43.4 | 270.1 | 13,900 | 46.2 | 276.6 | 12,500 | 48.9 | 281.4 | 11,000 | 51.4 | 284.7 | 9,200 | 200 |
| 205 | 41.6 | 264.6 | 13,200 | 44.6 | 271.6 | 11,800 | 47.3 | 276.9 | 10,300 | 49.9 | 280.5 | 8,500 | 205 |
| 210 | 39.7 | 258.7 | 12,600 | 42.8 | 266.3 | 11,200 | 45.7 | 272.1 | 9,700  | 48.3 | 276.1 | 7,900 | 210 |
| 215 | 37.8 | 252.4 | 11,900 | 41.0 | 260.7 | 10,600 | 44.0 | 267.0 | 9,000  | 46.7 | 271.5 | 7,300 | 215 |
| 220 | 35.8 | 245.6 | 11,300 | 39.2 | 254.7 | 10,000 | 42.2 | 261.6 | 8,400  | 45.0 | 266.6 | 6,800 | 220 |
| 230 | 31.5 | 230.4 | 10,200 | 35.2 | 241.4 | 8,900  | 38.5 | 249.7 | 7,300  | 41.5 | 255.8 | 5,700 | 230 |
| 235 | 29.1 | 221.7 | 9,700  | 33.0 | 233.9 | 8,400  | 36.5 | 243.1 | 6,800  | 39.6 | 249.9 | 5,200 | 235 |
| 240 | 26.5 | 212.1 | 9,200  | 30.7 | 225.8 | 7,800  | 34.4 | 236.0 | 6,200  |      |       |       | 240 |
| 245 | 23.6 | 201.2 | 8,700  | 28.3 | 216.8 | 7,300  | 32.2 | 228.3 | 5,800  |      |       |       | 245 |
| 250 | 20.4 | 188.7 | 8,200  | 25.6 | 206.8 | 6,800  | 29.9 | 219.9 | 5,300  |      |       |       | 250 |
| 259 | 11.9 | 156.5 | 7,300  | 19.6 | 184.7 | 5,900  |      |       |        |      |       |       | 259 |
| 260 | 11.5 | 153.0 | 7,200  | 19.3 | 182.3 | 5,800  |      |       |        |      |       |       | 260 |
| 264 | 4.3  | 123.0 | 6,500  | 15.8 | 169.1 | 5,400  |      |       |        |      |       |       | 264 |
| 265 |      |       |        | 15.2 | 165.9 | 5,300  |      |       |        |      |       |       | 265 |



184,600 lb  
+  
44,000 lb



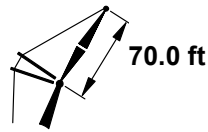
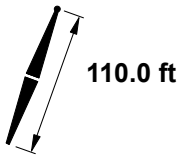
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | °    | ft    | lb        | °    | ft    | lb        | °    | ft    | lb        | ft  |
| 32  | 73.7 | 184.9 | 149,900 d |      |       |           |      |       |           | 32  |
| 34  | 72.0 | 184.2 | 144,100 d |      |       |           |      |       |           | 34  |
| 36  | 70.2 | 183.5 | 138,700 d | 73.5 | 184.5 | 148,200 d |      |       |           | 36  |
| 38  | 68.5 | 182.7 | 133,600 d | 71.8 | 183.9 | 142,600 d |      |       |           | 38  |
| 40  | 66.7 | 181.8 | 128,700 c | 70.1 | 183.1 | 137,300 d |      |       |           | 40  |
| 45  | 62.1 | 179.3 | 117,900 b | 65.6 | 181.0 | 125,300 b | 70.7 | 182.7 | 137,300 d | 45  |
| 50  | 57.3 | 176.2 | 108,600   | 61.0 | 178.4 | 115,000 b | 66.3 | 180.7 | 124,900 b | 50  |
| 54  | 53.0 | 173.3 | 102,200   | 56.8 | 175.8 | 108,000 b | 62.0 | 178.6 | 113,200 b | 54  |
| 55  | 52.2 | 172.6 | 100,500   | 56.1 | 175.2 | 106,200   | 61.7 | 178.1 | 110,200 b | 55  |
| 60  | 46.7 | 168.1 | 93,700    | 51.0 | 171.3 | 98,400    | 56.9 | 175.0 | 98,500    | 60  |
| 65  | 40.7 | 162.7 | 87,600    | 45.4 | 166.7 | 91,500    | 51.7 | 171.3 | 88,900    | 65  |
| 69  | 34.4 | 157.2 | 83,400    | 40.2 | 162.1 | 84,900    | 47.0 | 167.6 | 82,400    | 69  |
| 70  | 33.8 | 155.9 | 82,400    | 39.2 | 161.0 | 83,200    | 46.2 | 166.7 | 80,800    | 70  |
| 75  | 25.2 | 146.6 | 77,600    | 32.0 | 153.7 | 76,200    | 40.1 | 161.2 | 74,000    | 75  |
| 80  | 11.2 | 130.4 | 64,600    | 22.7 | 143.6 | 70,100    | 33.1 | 154.2 | 68,100    | 80  |
| 81  | 4.1  | 121.8 | 56,600    | 19.0 | 140.0 | 69,000    | 31.2 | 152.3 | 67,100    | 81  |
| 83  |      |       |           | 13.0 | 132.7 | 66,700    | 27.6 | 148.5 | 65,000    | 83  |
| 84  |      |       |           | 10.4 | 129.1 | 65,600    | 25.8 | 146.6 | 64,000    | 84  |
| 85  |      |       |           |      |       |           | 24.2 | 144.6 | 62,900    | 85  |
| 90  |      |       |           |      |       |           | 8.9  | 126.6 | 58,300    | 90  |
| 95  |      |       |           |      |       |           |      |       |           | 95  |
| 96  |      |       |           |      |       |           |      |       |           | 96  |
| 97  |      |       |           |      |       |           |      |       |           | 97  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 114 |      |       |           |      |       |           |      |       |           | 114 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 123 |      |       |           |      |       |           |      |       |           | 123 |

# MLC250 S-2

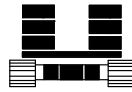
ASME B30.5



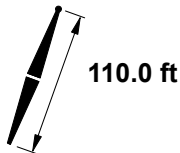
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |          | 70°  |       |          | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|----------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |          |      |       |        |     |
|     | ft   | ft    | lb        | ft   | ft    | lb       | ft   | ft    | lb       | ft   | ft    | lb     | ft  |
| 32  |      |       |           |      |       |          |      |       |          |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |          |      |       |        | 34  |
| 36  |      |       |           |      |       |          |      |       |          |      |       |        | 36  |
| 38  |      |       |           |      |       |          |      |       |          |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |          |      |       |        | 40  |
| 45  |      |       |           |      |       |          |      |       |          |      |       |        | 45  |
| 50  |      |       |           |      |       |          |      |       |          |      |       |        | 50  |
| 54  | 67.8 | 180.4 | 109,500 c |      |       |          |      |       |          |      |       |        | 54  |
| 55  | 66.9 | 180.0 | 106,900 c |      |       |          |      |       |          |      |       |        | 55  |
| 60  | 62.3 | 177.5 | 95,500 b  |      |       |          |      |       |          |      |       |        | 60  |
| 65  | 57.5 | 174.5 | 86,200    |      |       |          |      |       |          |      |       |        | 65  |
| 69  | 53.0 | 171.6 | 79,900    | 62.6 | 175.4 | 75,700 b |      |       |          |      |       |        | 69  |
| 70  | 52.5 | 170.8 | 78,400    | 61.7 | 174.9 | 74,300 b |      |       |          |      |       |        | 70  |
| 75  | 47.0 | 166.4 | 71,800    | 56.9 | 171.8 | 68,100   |      |       |          |      |       |        | 75  |
| 80  | 41.0 | 161.1 | 66,100    | 51.7 | 168.0 | 62,600   |      |       |          |      |       |        | 80  |
| 81  | 38.8 | 159.7 | 65,100    | 50.0 | 167.1 | 61,700   |      |       |          |      |       |        | 81  |
| 83  | 36.4 | 157.0 | 63,100    | 48.0 | 165.3 | 59,800   | 57.9 | 169.4 | 56,500 b |      |       |        | 83  |
| 84  | 35.2 | 155.7 | 62,100    | 47.0 | 164.4 | 58,900   | 56.0 | 168.7 | 55,700 b |      |       |        | 84  |
| 85  | 34.1 | 154.3 | 61,100    | 46.2 | 163.5 | 57,900   | 56.0 | 168.1 | 54,800   |      |       |        | 85  |
| 90  | 25.6 | 145.2 | 56,700    | 40.1 | 158.0 | 53,800   | 50.8 | 164.2 | 50,900   |      |       |        | 90  |
| 95  | 12.2 | 129.7 | 52,700    | 33.1 | 151.0 | 50,100   | 45.2 | 159.5 | 47,400   |      |       |        | 95  |
| 96  | 6.6  | 122.9 | 51,900    | 31.2 | 149.1 | 49,500   | 43.6 | 158.4 | 46,800   |      |       |        | 96  |
| 97  |      |       |           | 29.4 | 147.2 | 48,800   | 42.2 | 157.2 | 46,200   | 52.7 | 161.8 | 43,600 | 97  |
| 100 |      |       |           | 24.2 | 141.4 | 46,800   | 38.9 | 153.8 | 44,300   | 49.5 | 159.3 | 41,800 | 100 |
| 105 |      |       |           | 8.9  | 123.4 | 43,700   | 31.7 | 146.4 | 41,500   | 43.7 | 154.4 | 39,200 | 105 |
| 110 |      |       |           |      |       |          | 22.3 | 136.1 | 39,000   | 37.3 | 148.3 | 36,800 | 110 |
| 114 |      |       |           |      |       |          | 9.4  | 121.0 | 37,000   | 30.6 | 142.0 | 35,100 | 114 |
| 115 |      |       |           |      |       |          |      |       |          | 29.7 | 140.4 | 34,600 | 115 |
| 120 |      |       |           |      |       |          |      |       |          | 19.4 | 128.9 | 32,600 | 120 |
| 123 |      |       |           |      |       |          |      |       |          | 8.2  | 115.6 | 31,400 | 123 |



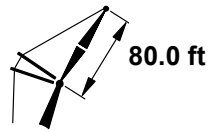
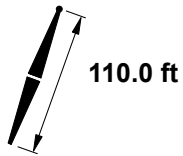
184,600 lb  
+  
44,000 lb



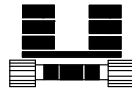
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
| 32  | 75.8 | 195.3 | 144,600 d |      |       |           |      |       |           | 32  |
| 34  | 74.3 | 194.7 | 139,200 d |      |       |           |      |       |           | 34  |
| 36  | 72.8 | 194.1 | 134,200 d |      |       |           |      |       |           | 36  |
| 38  | 71.3 | 193.4 | 129,400 c |      |       |           |      |       |           | 38  |
| 39  | 70.0 | 193.0 | 127,200 c | 73.4 | 194.1 | 135,400 d |      |       |           | 39  |
| 40  | 69.7 | 192.6 | 124,900 b | 72.7 | 193.7 | 133,100 d |      |       |           | 40  |
| 45  | 65.9 | 190.5 | 114,600 b | 68.8 | 191.9 | 121,800 b |      |       |           | 45  |
| 48  | 62.6 | 189.0 | 109,300 b | 65.6 | 190.6 | 116,000 b | 70.9 | 192.3 | 126,300 c | 48  |
| 50  | 61.8 | 188.0 | 105,800   | 64.9 | 189.7 | 112,100 b | 69.4 | 191.5 | 122,100 b | 50  |
| 55  | 57.6 | 184.9 | 98,100    | 60.9 | 187.0 | 103,600   | 65.5 | 189.3 | 109,800 b | 55  |
| 58  | 54.6 | 182.8 | 94,000    | 57.6 | 185.1 | 99,200    | 62.6 | 187.8 | 102,800 b | 58  |
| 60  | 53.2 | 181.4 | 91,300    | 56.6 | 183.9 | 96,200    | 61.5 | 186.8 | 98,100    | 60  |
| 65  | 48.6 | 177.2 | 85,400    | 52.2 | 180.2 | 89,700    | 57.3 | 183.7 | 88,500    | 65  |
| 70  | 43.5 | 172.2 | 80,300    | 47.4 | 175.8 | 83,000    | 52.8 | 180.1 | 80,500    | 70  |
| 74  | 38.2 | 167.4 | 76,600    | 43.0 | 171.6 | 77,400    | 48.8 | 176.7 | 75,000    | 74  |
| 75  | 37.9 | 166.2 | 75,600    | 42.3 | 170.6 | 76,000    | 48.1 | 175.8 | 73,700    | 75  |
| 80  | 31.5 | 158.7 | 71,300    | 36.5 | 164.3 | 69,900    | 43.0 | 170.7 | 67,800    | 80  |
| 85  | 23.4 | 148.7 | 66,000    | 29.8 | 156.4 | 64,700    | 37.4 | 164.6 | 62,700    | 85  |
| 89  | 12.6 | 134.7 | 58,800    | 22.6 | 147.6 | 61,000    | 31.4 | 158.5 | 59,100    | 89  |
| 90  | 10.4 | 131.3 | 57,000    | 21.1 | 145.4 | 60,000    | 30.8 | 157.0 | 58,300    | 90  |
| 91  | 3.8  | 122.0 | 50,100    | 18.0 | 141.5 | 59,200    | 28.4 | 154.9 | 57,500    | 91  |
| 94  |      |       |           | 9.7  | 129.9 | 56,600    | 23.6 | 148.7 | 55,100    | 94  |
| 95  |      |       |           |      |       |           | 22.6 | 146.6 | 54,300    | 95  |
| 100 |      |       |           |      |       |           | 8.2  | 127.3 | 50,600    | 100 |
| 103 |      |       |           |      |       |           |      |       |           | 103 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 106 |      |       |           |      |       |           |      |       |           | 106 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 124 |      |       |           |      |       |           |      |       |           | 124 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 133 |      |       |           |      |       |           |      |       |           | 133 |



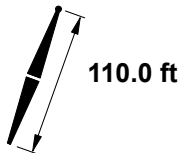
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 32  |      |       |          |      |       |        |      |       |        |      |       |        | 32  |
| 34  |      |       |          |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 39  |      |       |          |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |          |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 58  | 67.6 | 189.6 | 99,300 b |      |       |        |      |       |        |      |       |        | 58  |
| 60  | 66.0 | 188.7 | 95,000 b |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 62.0 | 186.2 | 85,700   |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 57.8 | 183.2 | 77,900   |      |       |        |      |       |        |      |       |        | 70  |
| 74  | 53.8 | 180.3 | 72,700   | 62.3 | 184.1 | 68,700 |      |       |        |      |       |        | 74  |
| 75  | 53.5 | 179.6 | 71,300   | 61.5 | 183.5 | 67,500 |      |       |        |      |       |        | 75  |
| 80  | 48.8 | 175.5 | 65,700   | 57.3 | 180.4 | 62,100 |      |       |        |      |       |        | 80  |
| 85  | 43.8 | 170.5 | 60,800   | 52.8 | 176.8 | 57,500 |      |       |        |      |       |        | 85  |
| 89  | 39.0 | 165.8 | 57,300   | 48.8 | 173.4 | 54,200 | 57.3 | 177.4 | 51,100 |      |       |        | 89  |
| 90  | 38.2 | 164.6 | 56,400   | 48.1 | 172.6 | 53,400 | 56.5 | 176.8 | 50,300 |      |       |        | 90  |
| 91  | 36.6 | 163.1 | 55,700   | 47.0 | 171.5 | 52,600 | 55.2 | 176.0 | 49,700 |      |       |        | 91  |
| 94  | 32.4 | 158.6 | 53,400   | 44.0 | 168.5 | 50,500 | 52.8 | 173.8 | 47,600 |      |       |        | 94  |
| 95  | 31.8 | 157.2 | 52,600   | 43.0 | 167.5 | 49,700 | 52.0 | 173.0 | 46,900 |      |       |        | 95  |
| 100 | 23.9 | 147.3 | 49,100   | 37.4 | 161.4 | 46,500 | 47.2 | 168.6 | 43,800 |      |       |        | 100 |
| 103 | 15.8 | 137.3 | 47,200   | 32.8 | 156.8 | 44,800 | 44.0 | 165.5 | 42,200 | 52.7 | 169.8 | 39,700 | 103 |
| 105 | 11.4 | 130.6 | 46,000   | 30.8 | 153.7 | 43,600 | 42.1 | 163.4 | 41,100 | 50.9 | 168.2 | 38,600 | 105 |
| 106 | 6.1  | 123.4 | 45,300   | 28.4 | 151.7 | 43,000 | 40.8 | 162.1 | 40,600 | 49.2 | 167.3 | 38,200 | 106 |
| 110 |      |       |          | 22.6 | 143.4 | 40,900 | 36.3 | 157.1 | 38,600 | 46.0 | 163.6 | 36,300 | 110 |
| 115 |      |       |          | 8.3  | 124.1 | 38,400 | 29.5 | 149.1 | 36,300 | 40.7 | 158.1 | 34,200 | 115 |
| 120 |      |       |          |      |       |        | 20.8 | 137.9 | 34,200 | 34.7 | 151.5 | 32,200 | 120 |
| 124 |      |       |          |      |       |        | 8.8  | 121.7 | 32,600 | 28.4 | 144.6 | 30,800 | 124 |
| 125 |      |       |          |      |       |        |      |       |        | 27.6 | 142.9 | 30,400 | 125 |
| 130 |      |       |          |      |       |        |      |       |        | 18.0 | 130.5 | 28,700 | 130 |
| 133 |      |       |          |      |       |        |      |       |        | 7.6  | 116.2 | 27,600 | 133 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 35  | 75.4 | 204.8 | 132,300 d |      |       |           |      |       |           | 35  |
| 36  | 74.8 | 204.5 | 130,000 d |      |       |           |      |       |           | 36  |
| 38  | 73.4 | 203.9 | 125,600 d |      |       |           |      |       |           | 38  |
| 40  | 72.1 | 203.3 | 121,400 c |      |       |           |      |       |           | 40  |
| 41  | 71.2 | 202.9 | 119,500 c | 74.0 | 203.9 | 126,900 d |      |       |           | 41  |
| 45  | 68.7 | 201.4 | 111,800 b | 71.3 | 202.6 | 118,700 b |      |       |           | 45  |
| 50  | 65.2 | 199.2 | 103,400   | 67.9 | 200.7 | 109,600 b |      |       |           | 50  |
| 52  | 63.4 | 198.2 | 100,500   | 65.8 | 199.7 | 106,400 b | 70.4 | 201.5 | 115,300 b | 52  |
| 55  | 61.6 | 196.6 | 96,000    | 64.4 | 198.4 | 101,500   | 68.4 | 200.3 | 109,500 b | 55  |
| 60  | 57.9 | 193.6 | 89,500    | 60.8 | 195.7 | 94,400    | 64.9 | 198.0 | 97,800    | 60  |
| 62  | 55.8 | 192.2 | 87,200    | 58.8 | 194.4 | 91,900    | 62.8 | 197.0 | 94,000    | 62  |
| 65  | 54.0 | 190.1 | 83,800    | 57.0 | 192.6 | 88,000    | 61.3 | 195.4 | 88,200    | 65  |
| 70  | 49.9 | 186.1 | 78,600    | 53.1 | 188.9 | 82,500    | 57.6 | 192.4 | 80,200    | 70  |
| 75  | 45.6 | 181.4 | 74,100    | 49.0 | 184.8 | 75,800    | 53.7 | 188.8 | 73,400    | 75  |
| 78  | 42.0 | 178.1 | 71,700    | 45.6 | 181.9 | 72,200    | 50.6 | 186.4 | 69,900    | 78  |
| 80  | 40.9 | 175.9 | 70,100    | 44.5 | 179.9 | 69,800    | 49.6 | 184.8 | 67,600    | 80  |
| 85  | 35.6 | 169.4 | 65,900    | 39.7 | 174.2 | 64,600    | 45.2 | 180.0 | 62,500    | 85  |
| 90  | 29.6 | 161.3 | 61,200    | 34.3 | 167.4 | 60,000    | 40.4 | 174.5 | 58,100    | 90  |
| 94  | 23.4 | 152.7 | 57,900    | 28.4 | 160.6 | 56,700    | 36.0 | 169.1 | 55,000    | 94  |
| 95  | 22.0 | 150.6 | 57,100    | 28.0 | 158.9 | 55,900    | 35.1 | 167.8 | 54,200    | 95  |
| 100 | 9.8  | 132.1 | 49,900    | 19.9 | 147.1 | 52,300    | 29.0 | 159.6 | 50,700    | 100 |
| 101 | 3.5  | 122.2 | 44,200    | 16.5 | 143.0 | 51,600    | 26.6 | 157.3 | 50,000    | 101 |
| 104 |      |       |           | 9.1  | 130.6 | 49,500    | 22.4 | 150.7 | 48,100    | 104 |
| 105 |      |       |           |      |       |           | 21.2 | 148.5 | 47,500    | 105 |
| 109 |      |       |           |      |       |           | 9.8  | 132.0 | 45,100    | 109 |
| 110 |      |       |           |      |       |           | 7.7  | 127.9 | 44,500    | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 116 |      |       |           |      |       |           |      |       |           | 116 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 134 |      |       |           |      |       |           |      |       |           | 134 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 143 |      |       |           |      |       |           |      |       |           | 143 |

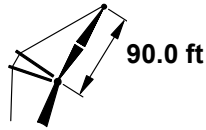
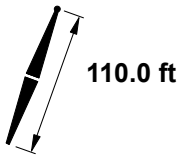


# MLC250 S-2

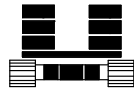
ASME B30.5



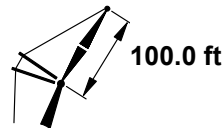
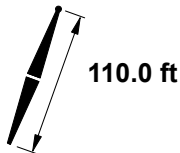
184,600 lb  
+  
44,000 lb

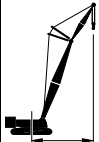
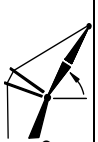
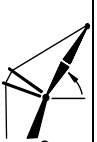
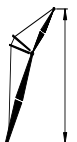
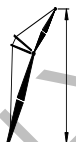


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 35  |      |       |          |      |       |        |      |       |        |      |       |        | 35  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 41  |      |       |          |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |          |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 62  | 67.5 | 198.8 | 90,800 b |      |       |        |      |       |        |      |       |        | 62  |
| 65  | 65.4 | 197.4 | 85,400   |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 61.8 | 194.8 | 77,600   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 58.1 | 191.8 | 71,100   |      |       |        |      |       |        |      |       |        | 75  |
| 78  | 55.6 | 189.8 | 67,700   | 62.8 | 193.3 | 63,800 |      |       |        |      |       |        | 78  |
| 80  | 54.2 | 188.4 | 65,400   | 61.3 | 192.2 | 61,800 |      |       |        |      |       |        | 80  |
| 85  | 50.1 | 184.4 | 60,500   | 57.6 | 189.1 | 57,100 |      |       |        |      |       |        | 85  |
| 90  | 45.8 | 179.7 | 56,200   | 53.7 | 185.6 | 53,100 |      |       |        |      |       |        | 90  |
| 94  | 41.8 | 175.4 | 53,200   | 49.8 | 182.3 | 50,200 | 57.6 | 186.1 | 47,200 |      |       |        | 94  |
| 95  | 41.1 | 174.3 | 52,400   | 49.6 | 181.5 | 49,500 | 56.9 | 185.5 | 46,600 |      |       |        | 95  |
| 100 | 35.9 | 167.8 | 49,000   | 45.2 | 176.8 | 46,200 | 52.9 | 181.8 | 43,500 |      |       |        | 100 |
| 101 | 33.8 | 166.2 | 48,400   | 44.0 | 175.7 | 45,700 | 51.2 | 181.0 | 43,000 |      |       |        | 101 |
| 104 | 30.2 | 161.4 | 46,600   | 41.0 | 172.3 | 43,900 | 48.8 | 178.5 | 41,300 |      |       |        | 104 |
| 105 | 29.9 | 159.8 | 45,900   | 40.4 | 171.2 | 43,400 | 48.8 | 177.6 | 40,800 |      |       |        | 105 |
| 109 | 23.4 | 151.4 | 43,700   | 36.0 | 165.9 | 41,300 | 44.8 | 173.7 | 38,800 | 52.8 | 177.8 | 36,400 | 109 |
| 110 | 22.4 | 149.3 | 43,200   | 35.1 | 164.6 | 40,800 | 44.4 | 172.8 | 38,300 | 52.0 | 177.0 | 35,900 | 110 |
| 115 | 10.7 | 131.5 | 40,600   | 29.0 | 156.3 | 38,400 | 39.5 | 167.0 | 36,100 | 47.8 | 172.7 | 33,800 | 115 |
| 116 | 5.7  | 123.8 | 40,000   | 26.6 | 154.1 | 37,900 | 38.0 | 165.7 | 35,700 | 46.2 | 171.7 | 33,400 | 116 |
| 120 |      |       |          | 21.2 | 145.3 | 36,200 | 34.1 | 160.2 | 34,000 | 43.2 | 167.6 | 31,900 | 120 |
| 125 |      |       |          | 7.7  | 124.7 | 34,100 | 27.7 | 151.5 | 32,100 | 38.3 | 161.6 | 30,100 | 125 |
| 130 |      |       |          |      |       |        | 19.5 | 139.6 | 30,400 | 32.7 | 154.4 | 28,500 | 130 |
| 134 |      |       |          |      |       |        | 8.2  | 122.3 | 29,000 | 26.4 | 147.0 | 27,300 | 134 |
| 135 |      |       |          |      |       |        |      |       |        | 26.0 | 145.2 | 27,000 | 135 |
| 140 |      |       |          |      |       |        |      |       |        | 16.9 | 131.9 | 25,500 | 140 |
| 143 |      |       |          |      |       |        |      |       |        | 7.1  | 116.7 | 24,600 | 143 |



184,600 lb  
+  
44,000 lb



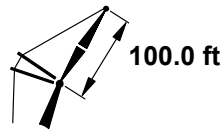
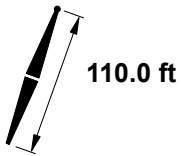
|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 37  | 75.7                                                                                  | 214.6                                                                                | 123,300 <b>d</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 37                                                                                     |
| 38  | 75.1                                                                                  | 214.4                                                                                | 121,300 <b>c</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40  | 73.9                                                                                  | 213.8                                                                                | 117,500 <b>b</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 44  | 70.6                                                                                  | 212.5                                                                                | 110,300 <b>b</b>                                                                     | 73.8                                                                                  | 213.4                                                                                | 116,900 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 44                                                                                     |
| 45  | 70.9                                                                                  | 212.1                                                                                | 108,600 <b>b</b>                                                                     | 73.2                                                                                  | 213.1                                                                                | 115,100 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50  | 67.8                                                                                  | 210.2                                                                                | 100,600                                                                              | 70.2                                                                                  | 211.4                                                                                | 106,600 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55  | 64.7                                                                                  | 207.9                                                                                | 93,600                                                                               | 67.1                                                                                  | 209.4                                                                                | 99,000                                                                               | 70.6                                                                                    | 211.0                                                                                  | 107,100 <b>b</b>                                                                       | 55                                                                                     |
| 60  | 61.5                                                                                  | 205.3                                                                                | 87,400                                                                               | 64.0                                                                                  | 207.0                                                                                | 92,100                                                                               | 67.6                                                                                    | 209.0                                                                                  | 97,300                                                                                 | 60                                                                                     |
| 65  | 58.1                                                                                  | 202.3                                                                                | 81,800                                                                               | 60.7                                                                                  | 204.3                                                                                | 86,100                                                                               | 64.4                                                                                    | 206.7                                                                                  | 87,800                                                                                 | 65                                                                                     |
| 70  | 54.7                                                                                  | 198.9                                                                                | 76,900                                                                               | 57.3                                                                                  | 201.2                                                                                | 80,700                                                                               | 61.2                                                                                    | 204.1                                                                                  | 79,800                                                                                 | 70                                                                                     |
| 75  | 51.0                                                                                  | 195.0                                                                                | 72,400                                                                               | 53.8                                                                                  | 197.7                                                                                | 75,400                                                                               | 57.8                                                                                    | 201.0                                                                                  | 73,000                                                                                 | 75                                                                                     |
| 80  | 47.2                                                                                  | 190.5                                                                                | 68,400                                                                               | 50.1                                                                                  | 193.7                                                                                | 69,400                                                                               | 54.3                                                                                    | 197.6                                                                                  | 67,200                                                                                 | 80                                                                                     |
| 83  | 44.6                                                                                  | 187.5                                                                                | 66,300                                                                               | 47.6                                                                                  | 190.9                                                                                | 66,300                                                                               | 51.6                                                                                    | 195.2                                                                                  | 64,200                                                                                 | 83                                                                                     |
| 85  | 43.1                                                                                  | 185.4                                                                                | 64,800                                                                               | 46.3                                                                                  | 189.1                                                                                | 64,200                                                                               | 50.7                                                                                    | 193.6                                                                                  | 62,100                                                                                 | 85                                                                                     |
| 90  | 38.6                                                                                  | 179.5                                                                                | 60,100                                                                               | 42.1                                                                                  | 183.8                                                                                | 59,700                                                                               | 46.8                                                                                    | 189.1                                                                                  | 57,700                                                                                 | 90                                                                                     |
| 95  | 33.7                                                                                  | 172.5                                                                                | 55,500                                                                               | 37.5                                                                                  | 177.7                                                                                | 55,600                                                                               | 42.7                                                                                    | 184.0                                                                                  | 53,800                                                                                 | 95                                                                                     |
| 99  | 28.2                                                                                  | 165.5                                                                                | 52,500                                                                               | 33.0                                                                                  | 171.8                                                                                | 52,800                                                                               | 38.8                                                                                    | 179.1                                                                                  | 51,000                                                                                 | 99                                                                                     |
| 100 | 28.0                                                                                  | 163.8                                                                                | 51,800                                                                               | 32.5                                                                                  | 170.3                                                                                | 52,000                                                                               | 38.2                                                                                    | 177.9                                                                                  | 50,300                                                                                 | 100                                                                                    |
| 105 | 20.9                                                                                  | 152.4                                                                                | 49,000                                                                               | 26.5                                                                                  | 161.2                                                                                | 48,800                                                                               | 33.2                                                                                    | 170.8                                                                                  | 47,200                                                                                 | 105                                                                                    |
| 110 | 9.2                                                                                   | 132.8                                                                                | 43,400                                                                               | 18.8                                                                                  | 148.8                                                                                | 45,800                                                                               | 27.4                                                                                    | 162.0                                                                                  | 44,300                                                                                 | 110                                                                                    |
| 111 | 3.3                                                                                   | 122.4                                                                                | 38,700                                                                               | 15.5                                                                                  | 144.4                                                                                | 45,300                                                                               | 25.6                                                                                    | 159.6                                                                                  | 43,800                                                                                 | 111                                                                                    |
| 114 |                                                                                       |                                                                                      |                                                                                      | 8.5                                                                                   | 131.3                                                                                | 43,600                                                                               | 21.4                                                                                    | 152.6                                                                                  | 42,300                                                                                 | 114                                                                                    |
| 115 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 20.1                                                                                    | 150.2                                                                                  | 41,700                                                                                 | 115                                                                                    |
| 120 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.3                                                                                     | 128.5                                                                                  | 39,300                                                                                 | 120                                                                                    |
| 125 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 126 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 126                                                                                    |
| 130 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 140 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 144 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 144                                                                                    |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 153 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 153                                                                                    |

# MLC250 S-2

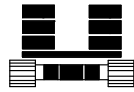
ASME B30.5



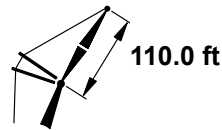
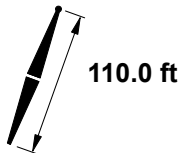
184,600 lb  
+  
44,000 lb

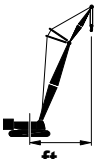
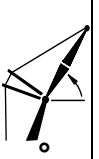
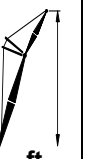
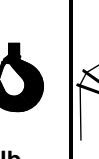


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 37  |      |       |        |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 68.0 | 208.3 | 84,900 |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 64.8 | 206.1 | 77,100 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 61.6 | 203.5 | 70,600 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 58.3 | 200.5 | 64,900 |      |       |        |      |       |        |      |       |        | 80  |
| 83  | 55.6 | 198.5 | 62,000 | 62.5 | 201.9 | 58,400 |      |       |        |      |       |        | 83  |
| 85  | 54.8 | 197.1 | 60,000 | 61.2 | 200.8 | 56,600 |      |       |        |      |       |        | 85  |
| 90  | 51.2 | 193.2 | 55,800 | 57.8 | 197.8 | 52,500 |      |       |        |      |       |        | 90  |
| 95  | 47.4 | 188.8 | 52,000 | 54.3 | 194.3 | 48,900 |      |       |        |      |       |        | 95  |
| 99  | 43.8 | 184.8 | 49,300 | 50.8 | 191.2 | 46,400 | 57.9 | 194.8 | 43,500 |      |       |        | 99  |
| 100 | 43.3 | 183.7 | 48,600 | 50.7 | 190.4 | 45,700 | 57.2 | 194.1 | 42,900 |      |       |        | 100 |
| 105 | 38.9 | 177.9 | 45,600 | 46.8 | 185.9 | 42,900 | 53.7 | 190.6 | 40,200 |      |       |        | 105 |
| 110 | 33.9 | 170.9 | 42,800 | 42.7 | 180.7 | 40,300 | 50.0 | 186.6 | 37,800 |      |       |        | 110 |
| 111 | 32.0 | 169.2 | 42,300 | 41.2 | 179.5 | 39,800 | 49.2 | 185.6 | 37,300 |      |       |        | 111 |
| 114 | 29.0 | 164.1 | 40,800 | 38.8 | 175.9 | 38,400 | 46.8 | 182.9 | 36,000 |      |       |        | 114 |
| 115 | 28.3 | 162.4 | 40,300 | 38.2 | 174.7 | 37,900 | 46.1 | 182.0 | 35,600 | 52.8 | 185.8 | 33,200 | 115 |
| 120 | 21.2 | 151.1 | 38,000 | 33.2 | 167.6 | 35,800 | 41.9 | 176.6 | 33,500 | 49.1 | 181.6 | 31,300 | 120 |
| 125 | 10.1 | 132.4 | 35,900 | 27.4 | 158.8 | 33,800 | 37.4 | 170.4 | 31,700 | 45.1 | 176.9 | 29,600 | 125 |
| 126 | 5.4  | 124.2 | 35,400 | 25.6 | 156.4 | 33,500 | 36.0 | 169.0 | 31,300 | 44.0 | 175.8 | 29,300 | 126 |
| 130 |      |       |        | 20.1 | 147.0 | 32,000 | 32.3 | 163.1 | 30,000 | 40.9 | 171.4 | 28,000 | 130 |
| 135 |      |       |        | 7.3  | 125.3 | 30,200 | 26.2 | 153.8 | 28,400 | 36.2 | 164.9 | 26,500 | 135 |
| 140 |      |       |        |      |       |        | 18.5 | 141.2 | 26,900 | 30.9 | 157.2 | 25,100 | 140 |
| 144 |      |       |        |      |       |        | 7.7  | 123.0 | 25,700 | 25.2 | 149.3 | 24,100 | 144 |
| 145 |      |       |        |      |       |        |      |       |        | 24.6 | 147.4 | 23,800 | 145 |
| 150 |      |       |        |      |       |        |      |       |        | 16.0 | 133.3 | 22,500 | 150 |
| 153 |      |       |        |      |       |        |      |       |        | 6.7  | 117.3 | 21,800 | 153 |



184,600 lb  
+  
44,000 lb



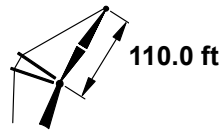
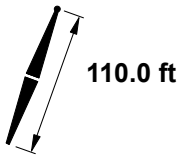
|                                                                                      | 88°                                                                                  |                                                                                      |                                                                                      | 86°                                                                                  |                                                                                      |                                                                                      | 83°                                                                                   |                                                                                        |                                                                                        |     |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|
|  ft |  ft |  ft |  lb |  ft |  lb |  ft |  ft |  lb |  ft |     |
| 39                                                                                   | 76.0                                                                                 | 224.4                                                                                | 115,200 c                                                                            |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 39  |
| 40                                                                                   | 75.4                                                                                 | 224.2                                                                                | 113,500 b                                                                            |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 40  |
| 45                                                                                   | 72.7                                                                                 | 222.7                                                                                | 105,300 b                                                                            |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 45  |
| 47                                                                                   | 70.8                                                                                 | 222.0                                                                                | 102,400 b                                                                            | 73.7                                                                                 | 223.0                                                                                | 108,200 b                                                                            |                                                                                       |                                                                                        |                                                                                        | 47  |
| 50                                                                                   | 70.0                                                                                 | 220.9                                                                                | 97,900                                                                               | 72.1                                                                                 | 222.0                                                                                | 103,600 b                                                                            |                                                                                       |                                                                                        |                                                                                        | 50  |
| 55                                                                                   | 67.2                                                                                 | 218.9                                                                                | 91,300                                                                               | 69.3                                                                                 | 220.2                                                                                | 96,400                                                                               |                                                                                       |                                                                                        |                                                                                        | 55  |
| 58                                                                                   | 65.2                                                                                 | 217.5                                                                                | 87,700                                                                               | 67.2                                                                                 | 218.9                                                                                | 92,600                                                                               | 70.8                                                                                  | 220.6                                                                                  | 99,800                                                                                 | 58  |
| 60                                                                                   | 64.3                                                                                 | 216.6                                                                                | 85,400                                                                               | 66.5                                                                                 | 218.1                                                                                | 90,000                                                                               | 69.7                                                                                  | 219.8                                                                                  | 97,100                                                                                 | 60  |
| 65                                                                                   | 61.3                                                                                 | 213.9                                                                                | 80,000                                                                               | 63.6                                                                                 | 215.7                                                                                | 84,200                                                                               | 66.9                                                                                  | 217.8                                                                                  | 87,600                                                                                 | 65  |
| 69                                                                                   | 58.6                                                                                 | 211.5                                                                                | 76,200                                                                               | 60.6                                                                                 | 213.5                                                                                | 80,100                                                                               | 64.4                                                                                  | 215.9                                                                                  | 81,200                                                                                 | 69  |
| 70                                                                                   | 58.3                                                                                 | 210.9                                                                                | 75,200                                                                               | 60.6                                                                                 | 213.0                                                                                | 79,100                                                                               | 64.0                                                                                  | 215.4                                                                                  | 79,600                                                                                 | 70  |
| 75                                                                                   | 55.2                                                                                 | 207.6                                                                                | 70,900                                                                               | 57.6                                                                                 | 209.9                                                                                | 74,300                                                                               | 61.1                                                                                  | 212.7                                                                                  | 72,900                                                                                 | 75  |
| 80                                                                                   | 51.9                                                                                 | 203.8                                                                                | 67,100                                                                               | 54.4                                                                                 | 206.5                                                                                | 69,400                                                                               | 58.0                                                                                  | 209.7                                                                                  | 67,100                                                                                 | 80  |
| 85                                                                                   | 48.5                                                                                 | 199.5                                                                                | 63,500                                                                               | 51.1                                                                                 | 202.6                                                                                | 64,200                                                                               | 54.9                                                                                  | 206.3                                                                                  | 62,000                                                                                 | 85  |
| 87                                                                                   | 46.4                                                                                 | 197.6                                                                                | 62,000                                                                               | 49.4                                                                                 | 200.8                                                                                | 62,300                                                                               | 52.8                                                                                  | 204.8                                                                                  | 60,300                                                                                 | 87  |
| 90                                                                                   | 44.8                                                                                 | 194.7                                                                                | 59,600                                                                               | 47.6                                                                                 | 198.2                                                                                | 59,600                                                                               | 51.6                                                                                  | 202.5                                                                                  | 57,600                                                                                 | 90  |
| 95                                                                                   | 41.0                                                                                 | 189.2                                                                                | 54,900                                                                               | 44.0                                                                                 | 193.2                                                                                | 55,600                                                                               | 48.1                                                                                  | 198.2                                                                                  | 53,700                                                                                 | 95  |
| 100                                                                                  | 36.8                                                                                 | 182.8                                                                                | 50,900                                                                               | 40.0                                                                                 | 187.5                                                                                | 52,000                                                                               | 44.5                                                                                  | 193.3                                                                                  | 50,300                                                                                 | 100 |
| 105                                                                                  | 32.1                                                                                 | 175.3                                                                                | 47,300                                                                               | 35.7                                                                                 | 180.9                                                                                | 48,800                                                                               | 40.6                                                                                  | 187.7                                                                                  | 47,200                                                                                 | 105 |
| 110                                                                                  | 26.6                                                                                 | 166.2                                                                                | 44,500                                                                               | 30.9                                                                                 | 173.1                                                                                | 45,900                                                                               | 36.4                                                                                  | 181.3                                                                                  | 44,300                                                                                 | 110 |
| 115                                                                                  | 19.8                                                                                 | 154.2                                                                                | 42,400                                                                               | 25.2                                                                                 | 163.4                                                                                | 43,300                                                                               | 31.6                                                                                  | 173.6                                                                                  | 41,800                                                                                 | 115 |
| 120                                                                                  | 8.8                                                                                  | 133.5                                                                                | 38,500                                                                               | 17.9                                                                                 | 150.3                                                                                | 40,800                                                                               | 26.1                                                                                  | 164.3                                                                                  | 39,400                                                                                 | 120 |
| 121                                                                                  | 3.1                                                                                  | 122.6                                                                                | 34,600                                                                               | 14.8                                                                                 | 145.7                                                                                | 40,300                                                                               | 24.6                                                                                  | 161.8                                                                                  | 39,000                                                                                 | 121 |
| 124                                                                                  |                                                                                      |                                                                                      |                                                                                      | 8.1                                                                                  | 132.0                                                                                | 38,900                                                                               | 20.4                                                                                  | 154.4                                                                                  | 37,700                                                                                 | 124 |
| 125                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 19.1                                                                                  | 151.9                                                                                  | 37,300                                                                                 | 125 |
| 130                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 6.9                                                                                   | 129.0                                                                                  | 35,200                                                                                 | 130 |
| 135                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 135 |
| 136                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 136 |
| 140                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 140 |
| 145                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 145 |
| 150                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 150 |
| 154                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 154 |
| 155                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 155 |
| 160                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 160 |
| 163                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 163 |

# MLC250 S-2

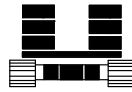
ASME B30.5



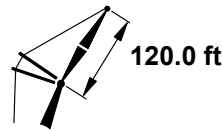
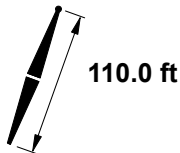
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  | 67.8 | 217.5 | 78,400 |      |       |        |      |       |        |      |       |        | 69  |
| 70  | 67.3 | 217.1 | 77,000 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 64.4 | 214.8 | 70,400 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 61.5 | 212.1 | 64,800 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 58.4 | 209.2 | 59,900 |      |       |        |      |       |        |      |       |        | 85  |
| 87  | 56.8 | 207.8 | 58,200 | 62.8 | 211.1 | 54,700 |      |       |        |      |       |        | 87  |
| 90  | 55.3 | 205.8 | 55,700 | 61.1 | 209.5 | 52,400 |      |       |        |      |       |        | 90  |
| 95  | 52.0 | 202.1 | 51,900 | 58.0 | 206.5 | 48,800 |      |       |        |      |       |        | 95  |
| 100 | 48.6 | 197.8 | 48,500 | 54.9 | 203.1 | 45,600 |      |       |        |      |       |        | 100 |
| 105 | 45.0 | 193.0 | 45,500 | 51.6 | 199.2 | 42,800 | 57.5 | 202.8 | 40,100 |      |       |        | 105 |
| 110 | 41.2 | 187.5 | 42,800 | 48.2 | 194.9 | 40,200 | 54.3 | 199.3 | 37,600 |      |       |        | 110 |
| 115 | 37.0 | 181.2 | 40,300 | 44.5 | 190.0 | 37,900 | 51.0 | 195.4 | 35,400 |      |       |        | 115 |
| 120 | 32.3 | 173.8 | 38,100 | 40.6 | 184.5 | 35,700 | 47.5 | 191.0 | 33,400 |      |       |        | 120 |
| 121 | 30.8 | 172.0 | 37,600 | 39.2 | 183.2 | 35,300 | 46.2 | 190.0 | 33,100 | 52.8 | 193.8 | 30,800 | 121 |
| 124 | 27.2 | 166.5 | 36,400 | 36.8 | 179.3 | 34,200 | 43.8 | 187.0 | 32,000 | 50.5 | 191.4 | 29,800 | 124 |
| 125 | 26.9 | 164.7 | 36,000 | 36.4 | 178.0 | 33,800 | 43.8 | 186.0 | 31,600 | 50.2 | 190.6 | 29,400 | 125 |
| 130 | 20.2 | 152.9 | 34,100 | 31.6 | 170.4 | 32,000 | 39.9 | 180.3 | 29,900 | 46.6 | 186.0 | 27,900 | 130 |
| 135 | 9.6  | 133.1 | 32,200 | 26.1 | 161.1 | 30,300 | 35.5 | 173.7 | 28,300 | 42.9 | 180.8 | 26,400 | 135 |
| 136 | 5.1  | 124.6 | 31,800 | 24.6 | 158.6 | 30,000 | 34.0 | 172.1 | 28,000 | 41.2 | 179.7 | 26,100 | 136 |
| 140 |      |       |        | 19.1 | 148.7 | 28,700 | 30.7 | 165.8 | 26,900 | 38.9 | 174.9 | 25,000 | 140 |
| 145 |      |       |        | 6.9  | 125.8 | 27,200 | 25.0 | 156.0 | 25,500 | 34.4 | 168.0 | 23,700 | 145 |
| 150 |      |       |        |      |       |        | 17.6 | 142.7 | 24,200 | 29.4 | 159.8 | 22,500 | 150 |
| 154 |      |       |        |      |       |        | 7.3  | 123.6 | 23,200 | 24.2 | 151.5 | 21,600 | 154 |
| 155 |      |       |        |      |       |        |      |       |        | 23.4 | 149.4 | 21,400 | 155 |
| 160 |      |       |        |      |       |        |      |       |        | 15.2 | 134.6 | 20,300 | 160 |
| 163 |      |       |        |      |       |        |      |       |        | 6.3  | 117.8 | 19,700 | 163 |



184,600 lb  
+  
44,000 lb



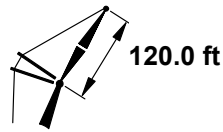
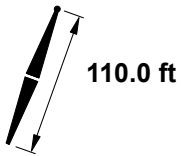
|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                       |  83° |                                                                                        |     |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  ft |  lb  |  ft |     |  |
| 42  | 75.7                                                                                  | 234.0                                                                                | 104,300 b                                                                            |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 42  |  |
| 45  | 74.2                                                                                  | 233.2                                                                                | 101,800 b                                                                            |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 45  |  |
| 50  | 71.7                                                                                  | 231.6                                                                                | 95,000                                                                               | 73.6                                                                                  | 232.5                                                                                | 100,300                                                                               |                                                                                         |                                                                                        | 50  |  |
| 55  | 69.2                                                                                  | 229.7                                                                                | 88,700                                                                               | 71.1                                                                                  | 230.9                                                                                | 93,700                                                                                |                                                                                         |                                                                                        | 55  |  |
| 60  | 66.6                                                                                  | 227.6                                                                                | 83,100                                                                               | 68.6                                                                                  | 229.0                                                                                | 87,700                                                                                |                                                                                         |                                                                                        | 60  |  |
| 61  | 65.4                                                                                  | 227.1                                                                                | 82,100                                                                               | 67.4                                                                                  | 228.5                                                                                | 86,600                                                                                | 71.0                                                                                    | 230.1                                                                                  | 61  |  |
| 65  | 63.9                                                                                  | 225.3                                                                                | 78,100                                                                               | 66.0                                                                                  | 226.8                                                                                | 82,200                                                                                | 68.9                                                                                    | 228.6                                                                                  | 65  |  |
| 70  | 61.2                                                                                  | 222.6                                                                                | 73,400                                                                               | 63.3                                                                                  | 224.4                                                                                | 77,200                                                                                | 66.3                                                                                    | 226.5                                                                                  | 70  |  |
| 73  | 59.2                                                                                  | 220.8                                                                                | 70,900                                                                               | 61.2                                                                                  | 222.7                                                                                | 74,500                                                                                | 64.2                                                                                    | 225.0                                                                                  | 73  |  |
| 75  | 58.4                                                                                  | 219.6                                                                                | 69,300                                                                               | 60.6                                                                                  | 221.6                                                                                | 72,700                                                                                | 63.7                                                                                    | 224.1                                                                                  | 75  |  |
| 80  | 55.6                                                                                  | 216.3                                                                                | 65,500                                                                               | 57.8                                                                                  | 218.6                                                                                | 68,600                                                                                | 61.0                                                                                    | 221.4                                                                                  | 80  |  |
| 85  | 52.6                                                                                  | 212.6                                                                                | 62,100                                                                               | 54.9                                                                                  | 215.2                                                                                | 63,800                                                                                | 58.2                                                                                    | 218.4                                                                                  | 85  |  |
| 90  | 49.5                                                                                  | 208.5                                                                                | 58,900                                                                               | 51.9                                                                                  | 211.4                                                                                | 59,200                                                                                | 55.3                                                                                    | 215.0                                                                                  | 90  |  |
| 92  | 47.8                                                                                  | 206.6                                                                                | 57,100                                                                               | 49.8                                                                                  | 209.7                                                                                | 57,600                                                                                | 53.8                                                                                    | 213.5                                                                                  | 92  |  |
| 95  | 46.3                                                                                  | 203.8                                                                                | 54,300                                                                               | 48.8                                                                                  | 207.1                                                                                | 55,200                                                                                | 52.3                                                                                    | 211.3                                                                                  | 95  |  |
| 100 | 42.8                                                                                  | 198.6                                                                                | 50,200                                                                               | 45.5                                                                                  | 202.4                                                                                | 51,700                                                                                | 49.2                                                                                    | 207.1                                                                                  | 100 |  |
| 105 | 39.1                                                                                  | 192.8                                                                                | 46,600                                                                               | 42.0                                                                                  | 197.1                                                                                | 48,500                                                                                | 46.0                                                                                    | 202.4                                                                                  | 105 |  |
| 110 | 35.1                                                                                  | 186.0                                                                                | 43,500                                                                               | 38.2                                                                                  | 191.0                                                                                | 45,600                                                                                | 42.5                                                                                    | 197.2                                                                                  | 110 |  |
| 115 | 30.6                                                                                  | 178.1                                                                                | 40,800                                                                               | 34.1                                                                                  | 184.0                                                                                | 42,900                                                                                | 38.8                                                                                    | 191.2                                                                                  | 115 |  |
| 120 | 25.5                                                                                  | 168.4                                                                                | 38,500                                                                               | 29.5                                                                                  | 175.7                                                                                | 40,500                                                                                | 34.7                                                                                    | 184.4                                                                                  | 120 |  |
| 125 | 19.0                                                                                  | 155.8                                                                                | 36,900                                                                               | 24.1                                                                                  | 165.5                                                                                | 38,300                                                                                | 30.2                                                                                    | 176.3                                                                                  | 125 |  |
| 127 | 14.0                                                                                  | 147.2                                                                                | 35,700                                                                               | 21.2                                                                                  | 160.0                                                                                | 37,500                                                                                | 27.6                                                                                    | 172.4                                                                                  | 127 |  |
| 130 | 8.4                                                                                   | 134.2                                                                                | 33,900                                                                               | 17.1                                                                                  | 151.8                                                                                | 36,300                                                                                | 24.9                                                                                    | 166.5                                                                                  | 130 |  |
| 131 | 2.9                                                                                   | 122.8                                                                                | 30,500                                                                               | 14.5                                                                                  | 147.0                                                                                | 35,800                                                                                | 22.8                                                                                    | 163.9                                                                                  | 131 |  |
| 134 |                                                                                       |                                                                                      |                                                                                      | 7.7                                                                                   | 132.6                                                                                | 34,300                                                                                | 19.2                                                                                    | 156.1                                                                                  | 134 |  |
| 135 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 18.3                                                                                    | 153.5                                                                                  | 135 |  |
| 140 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 6.6                                                                                     | 129.5                                                                                  | 140 |  |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 145 |  |
| 146 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 146 |  |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 150 |  |
| 155 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 155 |  |
| 160 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 160 |  |
| 164 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 164 |  |
| 165 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 165 |  |
| 170 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 170 |  |
| 173 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 173 |  |

# MLC250 S-2

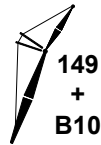
ASME B30.5



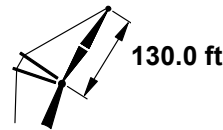
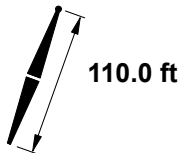
184,600 lb  
+  
44,000 lb

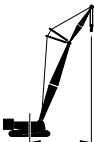
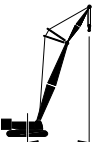


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 42  |      |       |        |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  | 67.7 | 226.7 | 72,400 |      |       |        |      |       |        |      |       |        | 73  |
| 75  | 66.7 | 225.8 | 69,900 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 64.0 | 223.5 | 64,300 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 61.3 | 220.8 | 59,400 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 58.6 | 217.8 | 55,200 |      |       |        |      |       |        |      |       |        | 90  |
| 92  | 56.8 | 216.5 | 53,700 | 62.6 | 219.8 | 50,300 |      |       |        |      |       |        | 92  |
| 95  | 55.7 | 214.5 | 51,400 | 61.0 | 218.2 | 48,300 |      |       |        |      |       |        | 95  |
| 100 | 52.7 | 210.8 | 48,100 | 58.2 | 215.1 | 45,100 |      |       |        |      |       |        | 100 |
| 105 | 49.7 | 206.7 | 45,100 | 55.3 | 211.8 | 42,200 |      |       |        |      |       |        | 105 |
| 110 | 46.4 | 202.1 | 42,300 | 52.3 | 208.1 | 39,700 | 57.7 | 211.5 | 37,100 |      |       |        | 110 |
| 115 | 43.0 | 197.0 | 39,900 | 49.2 | 203.9 | 37,400 | 54.8 | 208.1 | 34,900 |      |       |        | 115 |
| 120 | 39.3 | 191.1 | 37,700 | 46.0 | 199.2 | 35,200 | 51.8 | 204.3 | 32,900 |      |       |        | 120 |
| 125 | 35.3 | 184.4 | 35,600 | 42.5 | 194.0 | 33,300 | 48.6 | 200.0 | 31,100 |      |       |        | 125 |
| 127 | 33.0 | 181.3 | 34,800 | 40.4 | 191.6 | 32,600 | 46.8 | 198.1 | 30,400 | 52.9 | 201.8 | 28,200 | 127 |
| 130 | 30.9 | 176.6 | 33,700 | 38.8 | 188.0 | 31,500 | 45.3 | 195.2 | 29,400 | 51.0 | 199.4 | 27,300 | 130 |
| 131 | 29.0 | 174.6 | 33,400 | 37.2 | 186.6 | 31,200 | 44.2 | 194.2 | 29,100 | 50.2 | 198.5 | 27,000 | 131 |
| 134 | 26.0 | 168.9 | 32,300 | 34.8 | 182.5 | 30,200 | 41.8 | 190.9 | 28,100 | 47.8 | 195.9 | 26,100 | 134 |
| 135 | 25.7 | 167.0 | 32,000 | 34.7 | 181.2 | 29,900 | 41.8 | 189.9 | 27,800 | 47.9 | 195.0 | 25,800 | 135 |
| 140 | 19.3 | 154.6 | 30,300 | 30.2 | 173.1 | 28,400 | 38.1 | 183.8 | 26,400 | 44.5 | 190.1 | 24,500 | 140 |
| 145 | 9.1  | 133.9 | 28,700 | 24.9 | 163.3 | 26,900 | 34.0 | 176.7 | 25,100 | 41.0 | 184.6 | 23,200 | 145 |
| 146 | 4.8  | 124.9 | 28,400 | 22.8 | 160.7 | 26,700 | 32.2 | 175.1 | 24,800 | 39.4 | 183.3 | 23,000 | 146 |
| 150 |      |       |        | 18.3 | 150.2 | 25,600 | 29.3 | 168.4 | 23,800 | 37.1 | 178.3 | 22,000 | 150 |
| 155 |      |       |        | 6.6  | 126.3 | 24,200 | 23.9 | 158.2 | 22,600 | 32.9 | 171.0 | 20,900 | 155 |
| 160 |      |       |        |      |       |        | 16.8 | 144.2 | 21,500 | 28.1 | 162.3 | 19,900 | 160 |
| 164 |      |       |        |      |       |        | 7.0  | 124.1 | 20,600 | 23.2 | 153.6 | 19,100 | 164 |
| 165 |      |       |        |      |       |        |      |       |        | 22.4 | 151.4 | 18,900 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 14.6 | 135.8 | 18,000 | 170 |
| 173 |      |       |        |      |       |        |      |       |        | 6.0  | 118.2 | 17,400 | 173 |



184,600 lb  
+  
44,000 lb

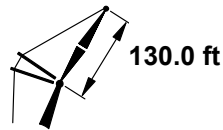
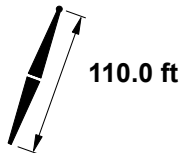


|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                       |  83° |                                                                                        |                                                                                        |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  ft |  ft  |  lb |  ft |  |
| 44  | 75.9                                                                                  | 243.8                                                                                | 93,900 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 44                                                                                     |  |
| 45  | 75.5                                                                                  | 243.5                                                                                | 93,600 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 45                                                                                     |  |
| 50  | 73.2                                                                                  | 242.1                                                                                | 92,000                                                                               |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 50                                                                                     |  |
| 52  | 71.8                                                                                  | 241.4                                                                                | 89,800                                                                               | 74.0                                                                                  | 242.4                                                                                | 94,800                                                                                |                                                                                         |                                                                                        | 52                                                                                     |  |
| 55  | 70.8                                                                                  | 240.4                                                                                | 86,500                                                                               | 72.6                                                                                  | 241.4                                                                                | 91,200                                                                                |                                                                                         |                                                                                        | 55                                                                                     |  |
| 60  | 68.5                                                                                  | 238.5                                                                                | 81,200                                                                               | 70.3                                                                                  | 239.7                                                                                | 85,500                                                                                |                                                                                         |                                                                                        | 60                                                                                     |  |
| 65  | 66.1                                                                                  | 236.3                                                                                | 76,300                                                                               | 67.9                                                                                  | 237.7                                                                                | 80,400                                                                                | 70.6                                                                                    | 239.3                                                                                  | 65                                                                                     |  |
| 70  | 63.6                                                                                  | 233.9                                                                                | 71,900                                                                               | 65.5                                                                                  | 235.5                                                                                | 75,600                                                                                | 68.3                                                                                    | 237.4                                                                                  | 70                                                                                     |  |
| 75  | 61.1                                                                                  | 231.3                                                                                | 68,000                                                                               | 63.0                                                                                  | 233.1                                                                                | 71,400                                                                                | 65.9                                                                                    | 235.2                                                                                  | 75                                                                                     |  |
| 77  | 59.8                                                                                  | 230.1                                                                                | 66,500                                                                               | 61.8                                                                                  | 232.0                                                                                | 69,800                                                                                | 64.2                                                                                    | 234.2                                                                                  | 77                                                                                     |  |
| 80  | 58.6                                                                                  | 228.3                                                                                | 64,300                                                                               | 60.5                                                                                  | 230.3                                                                                | 67,400                                                                                | 63.4                                                                                    | 232.8                                                                                  | 80                                                                                     |  |
| 85  | 55.9                                                                                  | 225.0                                                                                | 60,900                                                                               | 58.0                                                                                  | 227.3                                                                                | 63,500                                                                                | 60.9                                                                                    | 230.1                                                                                  | 85                                                                                     |  |
| 90  | 53.2                                                                                  | 221.4                                                                                | 57,900                                                                               | 55.3                                                                                  | 223.9                                                                                | 58,900                                                                                | 58.3                                                                                    | 227.1                                                                                  | 90                                                                                     |  |
| 95  | 50.4                                                                                  | 217.3                                                                                | 53,900                                                                               | 52.6                                                                                  | 220.2                                                                                | 54,900                                                                                | 55.7                                                                                    | 223.7                                                                                  | 95                                                                                     |  |
| 96  | 49.4                                                                                  | 216.5                                                                                | 53,100                                                                               | 51.4                                                                                  | 219.3                                                                                | 54,200                                                                                | 54.4                                                                                    | 223.0                                                                                  | 96                                                                                     |  |
| 100 | 47.4                                                                                  | 212.9                                                                                | 49,900                                                                               | 49.7                                                                                  | 216.1                                                                                | 51,400                                                                                | 53.0                                                                                    | 220.1                                                                                  | 100                                                                                    |  |
| 105 | 44.3                                                                                  | 207.9                                                                                | 46,300                                                                               | 46.7                                                                                  | 211.5                                                                                | 48,200                                                                                | 50.1                                                                                    | 216.0                                                                                  | 105                                                                                    |  |
| 110 | 41.0                                                                                  | 202.4                                                                                | 43,100                                                                               | 43.6                                                                                  | 206.4                                                                                | 45,300                                                                                | 47.2                                                                                    | 211.5                                                                                  | 110                                                                                    |  |
| 115 | 37.5                                                                                  | 196.2                                                                                | 40,200                                                                               | 40.2                                                                                  | 200.7                                                                                | 42,700                                                                                | 44.0                                                                                    | 206.5                                                                                  | 115                                                                                    |  |
| 120 | 33.7                                                                                  | 189.0                                                                                | 37,800                                                                               | 36.6                                                                                  | 194.3                                                                                | 40,300                                                                                | 40.7                                                                                    | 200.9                                                                                  | 120                                                                                    |  |
| 125 | 29.4                                                                                  | 180.7                                                                                | 35,600                                                                               | 32.7                                                                                  | 186.9                                                                                | 38,100                                                                                | 37.2                                                                                    | 194.6                                                                                  | 125                                                                                    |  |
| 130 | 24.4                                                                                  | 170.6                                                                                | 33,800                                                                               | 28.3                                                                                  | 178.2                                                                                | 36,100                                                                                | 33.3                                                                                    | 187.4                                                                                  | 130                                                                                    |  |
| 133 | 20.4                                                                                  | 162.7                                                                                | 33,100                                                                               | 25.0                                                                                  | 171.8                                                                                | 35,000                                                                                | 30.0                                                                                    | 182.3                                                                                  | 133                                                                                    |  |
| 135 | 18.2                                                                                  | 157.4                                                                                | 32,600                                                                               | 23.1                                                                                  | 167.6                                                                                | 34,200                                                                                | 29.0                                                                                    | 178.9                                                                                  | 135                                                                                    |  |
| 140 | 8.0                                                                                   | 134.9                                                                                | 30,000                                                                               | 16.4                                                                                  | 153.2                                                                                | 32,500                                                                                | 23.9                                                                                    | 168.6                                                                                  | 140                                                                                    |  |
| 141 | 2.8                                                                                   | 123.0                                                                                | 27,000                                                                               | 13.8                                                                                  | 148.2                                                                                | 32,000                                                                                | 21.8                                                                                    | 165.9                                                                                  | 141                                                                                    |  |
| 144 |                                                                                       |                                                                                      |                                                                                      | 7.4                                                                                   | 133.2                                                                                | 30,400                                                                                | 18.2                                                                                    | 157.7                                                                                  | 144                                                                                    |  |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 17.5                                                                                    | 155.0                                                                                  | 145                                                                                    |  |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 6.3                                                                                     | 130.0                                                                                  | 150                                                                                    |  |
| 155 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 155                                                                                    |  |
| 156 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 156                                                                                    |  |
| 160 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 160                                                                                    |  |
| 165 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 165                                                                                    |  |
| 170 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 170                                                                                    |  |
| 174 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 174                                                                                    |  |
| 175 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 175                                                                                    |  |
| 180 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 180                                                                                    |  |
| 183 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 183                                                                                    |  |

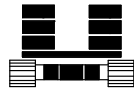




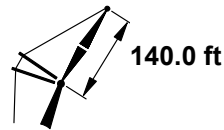
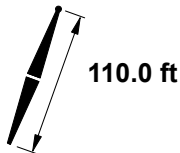
184,600 lb  
+  
44,000 lb

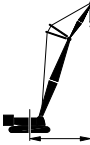


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  | 67.6 | 235.8 | 67,200 |      |       |        |      |       |        |      |       |        | 77  |
| 80  | 66.2 | 234.5 | 63,900 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 63.7 | 232.1 | 59,100 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 61.2 | 229.5 | 54,800 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 58.7 | 226.5 | 51,100 |      |       |        |      |       |        |      |       |        | 95  |
| 96  | 57.6 | 225.8 | 50,400 | 62.9 | 229.0 | 47,200 |      |       |        |      |       |        | 96  |
| 100 | 56.0 | 223.2 | 47,700 | 60.9 | 226.8 | 44,700 |      |       |        |      |       |        | 100 |
| 105 | 53.3 | 219.6 | 44,700 | 58.3 | 223.8 | 41,900 |      |       |        |      |       |        | 105 |
| 110 | 50.5 | 215.6 | 42,000 | 55.7 | 220.5 | 39,300 |      |       |        |      |       |        | 110 |
| 115 | 47.6 | 211.2 | 39,600 | 53.0 | 216.8 | 37,000 | 57.9 | 220.2 | 34,500 |      |       |        | 115 |
| 120 | 44.5 | 206.3 | 37,300 | 50.1 | 212.8 | 34,900 | 55.2 | 216.8 | 32,500 |      |       |        | 120 |
| 125 | 41.2 | 200.8 | 35,300 | 47.2 | 208.3 | 33,000 | 52.4 | 213.1 | 30,700 |      |       |        | 125 |
| 130 | 37.7 | 194.6 | 33,400 | 44.0 | 203.3 | 31,200 | 49.6 | 208.9 | 29,000 |      |       |        | 130 |
| 133 | 34.6 | 190.3 | 32,400 | 41.6 | 199.9 | 30,200 | 47.2 | 206.2 | 28,100 | 52.9 | 209.8 | 26,000 | 133 |
| 135 | 33.9 | 187.5 | 31,700 | 40.7 | 197.7 | 29,600 | 46.6 | 204.3 | 27,500 | 51.8 | 208.2 | 25,400 | 135 |
| 140 | 29.6 | 179.2 | 30,100 | 37.2 | 191.4 | 28,000 | 43.5 | 199.3 | 26,000 | 48.9 | 204.0 | 24,100 | 140 |
| 141 | 28.0 | 177.2 | 29,800 | 36.2 | 189.9 | 27,800 | 42.4 | 198.1 | 25,800 | 47.4 | 203.1 | 23,800 | 141 |
| 144 | 25.0 | 171.2 | 28,900 | 33.8 | 185.6 | 26,900 | 40.6 | 194.7 | 25,000 | 45.6 | 200.2 | 23,100 | 144 |
| 145 | 24.7 | 169.2 | 28,600 | 33.3 | 184.2 | 26,600 | 40.1 | 193.5 | 24,700 | 45.9 | 199.3 | 22,800 | 145 |
| 150 | 18.5 | 156.2 | 27,200 | 29.0 | 175.7 | 25,300 | 36.5 | 187.1 | 23,500 | 42.7 | 194.1 | 21,700 | 150 |
| 155 | 8.8  | 134.6 | 25,800 | 23.9 | 165.4 | 24,100 | 32.6 | 179.7 | 22,300 | 39.3 | 188.2 | 20,600 | 155 |
| 156 | 4.6  | 125.3 | 25,500 | 21.8 | 162.7 | 23,900 | 31.2 | 177.9 | 22,100 | 38.2 | 186.9 | 20,400 | 156 |
| 160 |      |       |        | 17.5 | 151.8 | 22,900 | 28.1 | 170.9 | 21,200 | 35.6 | 181.5 | 19,600 | 160 |
| 165 |      |       |        | 6.3  | 126.8 | 21,700 | 22.9 | 160.2 | 20,200 | 31.5 | 173.8 | 18,600 | 165 |
| 170 |      |       |        |      |       |        | 16.1 | 145.6 | 19,200 | 26.9 | 164.7 | 17,700 | 170 |
| 174 |      |       |        |      |       |        | 6.7  | 124.7 | 18,400 | 22.0 | 155.5 | 17,000 | 174 |
| 175 |      |       |        |      |       |        |      |       |        | 21.4 | 153.3 | 16,800 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 14.0 | 137.0 | 16,000 | 180 |
| 183 |      |       |        |      |       |        |      |       |        | 5.8  | 118.7 | 15,500 | 183 |



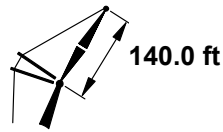
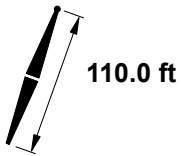
184,600 lb  
+  
44,000 lb



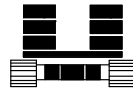
|     | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                                                                                         | <br>83° |                                                                                           |                                                                                           |  |
|-----|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
|     | <br>ft  | <br>ft | <br>lb | <br>ft  | <br>lb | <br>ft | <br>ft   | <br>lb | <br>ft |  |
| 47  | 75.7                                                                                     | 253.4                                                                                   | 84,900                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 47                                                                                        |  |
| 50  | 74.4                                                                                     | 252.5                                                                                   | 83,500                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 50                                                                                        |  |
| 55  | 72.3                                                                                     | 251.0                                                                                   | 82,100                                                                                  | 73.9                                                                                     | 251.9                                                                                   | 88,100                                                                                  |                                                                                            |                                                                                           | 55                                                                                        |  |
| 60  | 70.1                                                                                     | 249.2                                                                                   | 78,800                                                                                  | 71.7                                                                                     | 250.3                                                                                   | 82,900                                                                                  |                                                                                            |                                                                                           | 60                                                                                        |  |
| 65  | 67.9                                                                                     | 247.3                                                                                   | 74,300                                                                                  | 69.6                                                                                     | 248.5                                                                                   | 78,100                                                                                  |                                                                                            |                                                                                           | 65                                                                                        |  |
| 68  | 65.8                                                                                     | 245.9                                                                                   | 71,800                                                                                  | 67.8                                                                                     | 247.3                                                                                   | 75,400                                                                                  | 70.8                                                                                       | 248.8                                                                                     | 68                                                                                        |  |
| 70  | 65.6                                                                                     | 245.0                                                                                   | 70,100                                                                                  | 67.4                                                                                     | 246.5                                                                                   | 73,600                                                                                  | 69.9                                                                                       | 248.1                                                                                     | 70                                                                                        |  |
| 75  | 63.4                                                                                     | 242.6                                                                                   | 66,200                                                                                  | 65.1                                                                                     | 244.2                                                                                   | 69,500                                                                                  | 67.7                                                                                       | 246.1                                                                                     | 75                                                                                        |  |
| 80  | 61.0                                                                                     | 239.9                                                                                   | 62,700                                                                                  | 62.8                                                                                     | 241.7                                                                                   | 65,800                                                                                  | 65.4                                                                                       | 243.9                                                                                     | 80                                                                                        |  |
| 85  | 58.7                                                                                     | 236.9                                                                                   | 59,500                                                                                  | 60.5                                                                                     | 239.0                                                                                   | 62,300                                                                                  | 63.2                                                                                       | 241.4                                                                                     | 85                                                                                        |  |
| 90  | 56.2                                                                                     | 233.7                                                                                   | 56,500                                                                                  | 58.1                                                                                     | 235.9                                                                                   | 58,500                                                                                  | 60.8                                                                                       | 238.7                                                                                     | 90                                                                                        |  |
| 95  | 53.7                                                                                     | 230.1                                                                                   | 53,400                                                                                  | 55.6                                                                                     | 232.6                                                                                   | 54,500                                                                                  | 58.5                                                                                       | 235.7                                                                                     | 95                                                                                        |  |
| 100 | 51.1                                                                                     | 226.2                                                                                   | 49,700                                                                                  | 53.1                                                                                     | 228.9                                                                                   | 51,000                                                                                  | 56.0                                                                                       | 232.4                                                                                     | 100                                                                                       |  |
| 101 | 50.4                                                                                     | 225.3                                                                                   | 49,000                                                                                  | 52.4                                                                                     | 228.1                                                                                   | 50,300                                                                                  | 55.4                                                                                       | 231.7                                                                                     | 101                                                                                       |  |
| 105 | 48.4                                                                                     | 221.9                                                                                   | 46,200                                                                                  | 50.5                                                                                     | 224.9                                                                                   | 47,800                                                                                  | 53.5                                                                                       | 228.8                                                                                     | 105                                                                                       |  |
| 110 | 45.6                                                                                     | 217.1                                                                                   | 43,000                                                                                  | 47.8                                                                                     | 220.5                                                                                   | 44,900                                                                                  | 50.9                                                                                       | 224.9                                                                                     | 110                                                                                       |  |
| 115 | 42.6                                                                                     | 211.9                                                                                   | 40,100                                                                                  | 44.9                                                                                     | 215.7                                                                                   | 42,300                                                                                  | 48.2                                                                                       | 220.5                                                                                     | 115                                                                                       |  |
| 120 | 39.5                                                                                     | 206.0                                                                                   | 37,600                                                                                  | 41.9                                                                                     | 210.3                                                                                   | 39,900                                                                                  | 45.3                                                                                       | 215.7                                                                                     | 120                                                                                       |  |
| 125 | 36.1                                                                                     | 199.4                                                                                   | 35,300                                                                                  | 38.7                                                                                     | 204.3                                                                                   | 37,800                                                                                  | 42.3                                                                                       | 210.4                                                                                     | 125                                                                                       |  |
| 130 | 32.4                                                                                     | 191.9                                                                                   | 33,300                                                                                  | 35.2                                                                                     | 197.5                                                                                   | 35,800                                                                                  | 39.2                                                                                       | 204.5                                                                                     | 130                                                                                       |  |
| 135 | 28.3                                                                                     | 183.2                                                                                   | 31,600                                                                                  | 31.5                                                                                     | 189.7                                                                                   | 33,900                                                                                  | 35.8                                                                                       | 197.9                                                                                     | 135                                                                                       |  |
| 139 | 24.0                                                                                     | 174.8                                                                                   | 30,400                                                                                  | 27.8                                                                                     | 182.5                                                                                   | 32,500                                                                                  | 32.6                                                                                       | 191.8                                                                                     | 139                                                                                       |  |
| 140 | 23.5                                                                                     | 172.7                                                                                   | 30,100                                                                                  | 27.2                                                                                     | 180.7                                                                                   | 32,200                                                                                  | 32.0                                                                                       | 190.3                                                                                     | 140                                                                                       |  |
| 145 | 17.5                                                                                     | 158.9                                                                                   | 29,100                                                                                  | 22.2                                                                                     | 169.5                                                                                   | 30,600                                                                                  | 27.9                                                                                       | 181.4                                                                                     | 145                                                                                       |  |
| 150 | 7.7                                                                                      | 135.5                                                                                   | 26,500                                                                                  | 15.8                                                                                     | 154.6                                                                                   | 29,100                                                                                  | 23.0                                                                                       | 170.6                                                                                     | 150                                                                                       |  |
| 151 | 2.6                                                                                      | 123.2                                                                                   | 23,900                                                                                  | 13.0                                                                                     | 149.4                                                                                   | 28,500                                                                                  | 21.6                                                                                       | 167.8                                                                                     | 151                                                                                       |  |
| 154 |                                                                                          |                                                                                         |                                                                                         | 7.1                                                                                      | 133.8                                                                                   | 26,900                                                                                  | 17.4                                                                                       | 159.3                                                                                     | 154                                                                                       |  |
| 155 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 16.9                                                                                       | 156.4                                                                                     | 155                                                                                       |  |
| 160 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 6.0                                                                                        | 130.5                                                                                     | 160                                                                                       |  |
| 165 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 165                                                                                       |  |
| 166 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 166                                                                                       |  |
| 170 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 170                                                                                       |  |
| 175 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 175                                                                                       |  |
| 180 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 180                                                                                       |  |
| 184 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 184                                                                                       |  |
| 185 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 185                                                                                       |  |
| 190 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 190                                                                                       |  |
| 193 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           | 193                                                                                       |  |



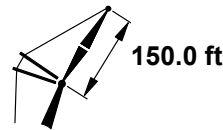
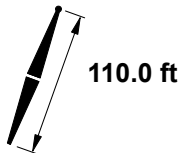
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 68.0 | 245.4 | 63,400 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 65.8 | 243.2 | 58,600 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.5 | 240.8 | 54,300 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 61.2 | 238.1 | 50,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 58.8 | 235.2 | 47,200 |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 57.6 | 234.5 | 46,600 | 62.7 | 237.7 | 43,600 |      |       |        |      |       |        | 101 |
| 105 | 56.3 | 231.9 | 44,200 | 60.8 | 235.5 | 41,300 |      |       |        |      |       |        | 105 |
| 110 | 53.8 | 228.4 | 41,500 | 58.5 | 232.5 | 38,800 |      |       |        |      |       |        | 110 |
| 115 | 51.2 | 224.5 | 39,100 | 56.0 | 229.2 | 36,500 |      |       |        |      |       |        | 115 |
| 120 | 48.5 | 220.2 | 36,900 | 53.5 | 225.6 | 34,400 | 58.0 | 228.8 | 31,900 |      |       |        | 120 |
| 125 | 45.7 | 215.4 | 34,900 | 50.9 | 221.6 | 32,500 | 55.6 | 225.5 | 30,100 |      |       |        | 125 |
| 130 | 42.8 | 210.2 | 33,000 | 48.2 | 217.3 | 30,700 | 53.0 | 221.8 | 28,500 |      |       |        | 130 |
| 135 | 39.6 | 204.4 | 31,300 | 45.3 | 212.5 | 29,100 | 50.4 | 217.8 | 26,900 |      |       |        | 135 |
| 139 | 36.6 | 199.1 | 30,000 | 42.6 | 208.3 | 27,900 | 47.6 | 214.3 | 25,800 | 52.9 | 217.8 | 23,800 | 139 |
| 140 | 36.2 | 197.8 | 29,700 | 42.3 | 207.2 | 27,600 | 47.7 | 213.4 | 25,500 | 52.4 | 217.0 | 23,500 | 140 |
| 145 | 32.6 | 190.4 | 28,200 | 39.2 | 201.3 | 26,200 | 44.8 | 208.5 | 24,200 | 49.7 | 212.9 | 22,300 | 145 |
| 150 | 28.5 | 181.7 | 26,800 | 35.8 | 194.6 | 24,900 | 41.8 | 203.1 | 23,000 | 47.0 | 208.4 | 21,100 | 150 |
| 151 | 27.0 | 179.6 | 26,500 | 34.4 | 193.1 | 24,600 | 40.4 | 201.9 | 22,700 | 45.6 | 207.4 | 20,900 | 151 |
| 154 | 24.0 | 173.4 | 25,800 | 32.6 | 188.5 | 23,900 | 38.6 | 198.3 | 22,100 | 44.4 | 204.4 | 20,300 | 154 |
| 155 | 23.7 | 171.3 | 25,500 | 32.0 | 187.0 | 23,700 | 38.6 | 197.1 | 21,800 | 44.1 | 203.4 | 20,000 | 155 |
| 160 | 17.8 | 157.7 | 24,300 | 27.9 | 178.2 | 22,500 | 35.1 | 190.3 | 20,800 | 41.0 | 197.8 | 19,000 | 160 |
| 165 | 8.4  | 135.3 | 23,100 | 23.0 | 167.4 | 21,400 | 31.3 | 182.5 | 19,700 | 37.8 | 191.6 | 18,100 | 165 |
| 166 | 4.4  | 125.6 | 22,800 | 21.6 | 164.6 | 21,200 | 30.2 | 180.6 | 19,600 | 36.4 | 190.2 | 17,900 | 166 |
| 170 |      |       |        | 16.9 | 153.2 | 20,400 | 27.1 | 173.3 | 18,800 | 34.2 | 184.6 | 17,200 | 170 |
| 175 |      |       |        | 6.1  | 127.3 | 19,400 | 22.0 | 162.1 | 17,900 | 30.3 | 176.5 | 16,400 | 175 |
| 180 |      |       |        |      |       |        | 15.5 | 146.9 | 17,000 | 25.9 | 167.0 | 15,600 | 180 |
| 184 |      |       |        |      |       |        | 6.4  | 125.2 | 16,300 | 21.0 | 157.4 | 14,900 | 184 |
| 185 |      |       |        |      |       |        |      |       |        | 20.6 | 155.1 | 14,800 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 13.4 | 138.2 | 14,000 | 190 |
| 193 |      |       |        |      |       |        |      |       |        | 5.5  | 119.1 | 13,600 | 193 |



184,600 lb  
+  
44,000 lb



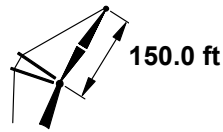
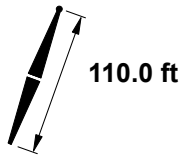
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 49  | 75.9 | 263.2 | 76,200 |      |       |        |      |       |        | 49  |
| 50  | 75.5 | 262.9 | 76,000 |      |       |        |      |       |        | 50  |
| 55  | 73.5 | 261.5 | 75,400 |      |       |        |      |       |        | 55  |
| 58  | 71.8 | 260.5 | 74,400 | 73.8 | 261.4 | 82,300 |      |       |        | 58  |
| 60  | 71.5 | 259.8 | 73,800 | 73.0 | 260.8 | 80,400 |      |       |        | 60  |
| 65  | 69.4 | 258.0 | 72,300 | 71.0 | 259.2 | 76,000 |      |       |        | 65  |
| 70  | 67.4 | 256.0 | 68,400 | 69.0 | 257.3 | 71,800 |      |       |        | 70  |
| 71  | 66.6 | 255.5 | 67,600 | 67.6 | 256.9 | 71,000 | 70.9 | 258.4 | 75,900 | 71  |
| 75  | 65.3 | 253.8 | 64,700 | 66.9 | 255.2 | 67,900 | 69.3 | 256.9 | 71,400 | 75  |
| 80  | 63.2 | 251.3 | 61,400 | 64.8 | 252.9 | 64,400 | 67.2 | 254.9 | 65,700 | 80  |
| 84  | 60.6 | 249.1 | 58,800 | 62.4 | 250.9 | 61,700 | 65.4 | 253.0 | 61,600 | 84  |
| 85  | 61.0 | 248.6 | 58,200 | 62.6 | 250.4 | 61,000 | 65.1 | 252.6 | 60,600 | 85  |
| 90  | 58.8 | 245.6 | 55,400 | 60.5 | 247.6 | 57,900 | 63.0 | 250.1 | 56,200 | 90  |
| 95  | 56.5 | 242.4 | 52,600 | 58.2 | 244.6 | 54,400 | 60.8 | 247.4 | 52,400 | 95  |
| 100 | 54.1 | 238.9 | 49,000 | 55.9 | 241.3 | 50,800 | 58.6 | 244.4 | 48,900 | 100 |
| 105 | 51.7 | 235.0 | 45,700 | 53.6 | 237.7 | 47,600 | 56.3 | 241.1 | 45,800 | 105 |
| 110 | 49.2 | 230.8 | 42,700 | 51.2 | 233.8 | 44,800 | 53.9 | 237.6 | 43,100 | 110 |
| 115 | 46.7 | 226.2 | 39,900 | 48.6 | 229.5 | 42,200 | 51.5 | 233.7 | 40,500 | 115 |
| 120 | 43.9 | 221.2 | 37,300 | 46.0 | 224.8 | 39,800 | 49.0 | 229.5 | 38,300 | 120 |
| 125 | 41.1 | 215.6 | 35,000 | 43.3 | 219.7 | 37,600 | 46.4 | 224.8 | 36,200 | 125 |
| 126 | 40.4 | 214.4 | 34,600 | 42.4 | 218.5 | 37,200 | 45.4 | 223.8 | 35,800 | 126 |
| 130 | 38.1 | 209.5 | 33,000 | 40.4 | 214.0 | 35,600 | 43.7 | 219.8 | 34,200 | 130 |
| 135 | 34.8 | 202.6 | 31,100 | 37.3 | 207.7 | 33,800 | 40.8 | 214.2 | 32,500 | 135 |
| 140 | 31.3 | 194.7 | 29,500 | 34.0 | 200.6 | 32,100 | 37.8 | 207.9 | 30,800 | 140 |
| 145 | 27.3 | 185.6 | 28,100 | 30.4 | 192.5 | 30,500 | 34.5 | 201.0 | 29,300 | 145 |
| 150 | 22.7 | 174.7 | 26,900 | 26.3 | 183.0 | 29,000 | 30.9 | 193.0 | 27,900 | 150 |
| 155 | 16.9 | 160.4 | 26,100 | 21.5 | 171.4 | 27,700 | 26.9 | 183.8 | 26,500 | 155 |
| 160 | 7.4  | 136.1 | 23,700 | 15.2 | 155.9 | 26,400 | 22.2 | 172.6 | 25,300 | 160 |
| 161 | 2.5  | 123.3 | 21,400 | 12.8 | 150.5 | 25,800 | 20.8 | 169.6 | 25,000 | 161 |
| 164 |      |       |        | 6.9  | 134.4 | 24,100 | 17.2 | 160.8 | 24,300 | 164 |
| 165 |      |       |        |      |       |        | 16.3 | 157.9 | 24,100 | 165 |
| 170 |      |       |        |      |       |        | 5.8  | 131.0 | 22,900 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 175 |
| 176 |      |       |        |      |       |        |      |       |        | 176 |
| 180 |      |       |        |      |       |        |      |       |        | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 190 |
| 194 |      |       |        |      |       |        |      |       |        | 194 |
| 195 |      |       |        |      |       |        |      |       |        | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 200 |
| 203 |      |       |        |      |       |        |      |       |        | 203 |

# MLC250 S-2

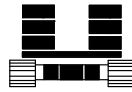
ASME B30.5



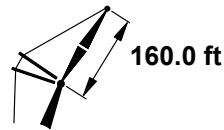
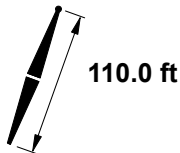
184,600 lb  
+  
44,000 lb

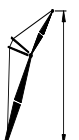
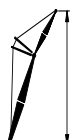
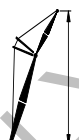


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 67.9 | 254.6 | 59,300 |      |       |        |      |       |        |      |       |        | 84  |
| 85  | 67.5 | 254.2 | 58,400 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.4 | 251.9 | 54,100 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.2 | 249.5 | 50,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 61.1 | 246.8 | 47,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 58.9 | 243.8 | 44,100 | 63.0 | 246.9 | 41,100 |      |       |        |      |       |        | 105 |
| 110 | 56.6 | 240.6 | 41,400 | 60.8 | 244.1 | 38,600 |      |       |        |      |       |        | 110 |
| 115 | 54.3 | 237.1 | 38,900 | 58.6 | 241.2 | 36,300 |      |       |        |      |       |        | 115 |
| 120 | 51.9 | 233.3 | 36,700 | 56.3 | 237.9 | 34,200 |      |       |        |      |       |        | 120 |
| 125 | 49.4 | 229.1 | 34,700 | 53.9 | 234.3 | 32,300 |      |       |        |      |       |        | 125 |
| 126 | 48.4 | 228.2 | 34,300 | 52.6 | 233.6 | 31,900 | 57.7 | 236.9 | 29,600 |      |       |        | 126 |
| 130 | 46.8 | 224.5 | 32,800 | 51.5 | 230.5 | 30,500 | 55.9 | 234.2 | 28,300 |      |       |        | 130 |
| 135 | 44.1 | 219.5 | 31,100 | 49.0 | 226.2 | 28,900 | 53.5 | 230.6 | 26,700 |      |       |        | 135 |
| 140 | 41.2 | 214.0 | 29,500 | 46.4 | 221.6 | 27,400 | 51.1 | 226.7 | 25,300 |      |       |        | 140 |
| 145 | 38.2 | 207.9 | 28,100 | 43.7 | 216.5 | 26,000 | 48.6 | 222.4 | 24,000 | 52.9 | 225.8 | 22,100 | 145 |
| 150 | 35.0 | 201.0 | 26,700 | 40.8 | 210.9 | 24,700 | 45.9 | 217.7 | 22,800 | 50.5 | 221.8 | 20,900 | 150 |
| 155 | 31.4 | 193.2 | 25,400 | 37.8 | 204.7 | 23,500 | 43.2 | 212.5 | 21,700 | 47.9 | 217.4 | 19,900 | 155 |
| 160 | 27.5 | 184.2 | 24,200 | 34.5 | 197.7 | 22,400 | 40.3 | 206.8 | 20,600 | 45.3 | 212.6 | 18,900 | 160 |
| 161 | 26.0 | 182.0 | 24,000 | 33.2 | 196.2 | 22,200 | 39.4 | 205.5 | 20,400 | 44.4 | 211.5 | 18,700 | 161 |
| 164 | 23.0 | 175.5 | 23,300 | 30.8 | 191.4 | 21,500 | 37.6 | 201.7 | 19,800 | 42.6 | 208.4 | 18,100 | 164 |
| 165 | 22.9 | 173.3 | 23,100 | 30.9 | 189.8 | 21,300 | 37.2 | 200.4 | 19,600 | 42.5 | 207.3 | 17,900 | 165 |
| 170 | 17.2 | 159.2 | 22,000 | 26.9 | 180.6 | 20,300 | 33.9 | 193.3 | 18,700 | 39.6 | 201.5 | 17,000 | 170 |
| 175 | 8.1  | 136.0 | 20,900 | 22.2 | 169.4 | 19,400 | 30.2 | 185.2 | 17,800 | 36.4 | 194.9 | 16,200 | 175 |
| 176 | 4.3  | 126.0 | 20,700 | 20.8 | 166.4 | 19,200 | 29.2 | 183.3 | 17,600 | 35.4 | 193.5 | 16,100 | 176 |
| 180 |      |       |        | 16.3 | 154.6 | 18,500 | 26.1 | 175.6 | 16,900 | 33.0 | 187.6 | 15,400 | 180 |
| 185 |      |       |        | 5.8  | 127.8 | 17,500 | 21.3 | 164.0 | 16,100 | 29.3 | 179.2 | 14,700 | 185 |
| 190 |      |       |        |      |       |        | 14.9 | 148.2 | 15,300 | 25.0 | 169.2 | 14,000 | 190 |
| 194 |      |       |        |      |       |        | 6.2  | 125.7 | 14,700 | 20.2 | 159.3 | 13,400 | 194 |
| 195 |      |       |        |      |       |        |      |       |        | 19.9 | 156.8 | 13,300 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 13.0 | 139.3 | 12,600 | 200 |
| 203 |      |       |        |      |       |        |      |       |        | 5.3  | 119.6 | 12,200 | 203 |



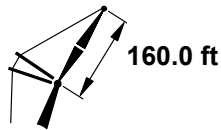
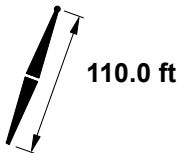
184,600 lb  
+  
44,000 lb



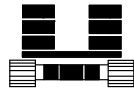
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 51                                                                                | 76.0                                                                                  | 273.0                                                                             | 69,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 51                                                                                  |
| 55                                                                                | 74.5                                                                                  | 271.9                                                                             | 68,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 72.7                                                                                  | 270.4                                                                             | 67,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 61                                                                                | 71.6                                                                                  | 270.0                                                                             | 67,200                                                                            | 73.7                                                                                  | 271.0                                                                             | 76,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 61                                                                                  |
| 65                                                                                | 70.8                                                                                  | 268.7                                                                             | 66,400                                                                            | 72.2                                                                                  | 269.7                                                                             | 73,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 68.9                                                                                  | 266.8                                                                             | 65,400                                                                            | 70.3                                                                                  | 268.0                                                                             | 69,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 74                                                                                | 66.4                                                                                  | 265.1                                                                             | 63,500                                                                            | 68.4                                                                                  | 266.4                                                                             | 66,800                                                                            | 71.0                                                                                    | 267.9                                                                               | 71,200                                                                              | 74                                                                                  |
| 75                                                                                | 66.9                                                                                  | 264.7                                                                             | 63,000                                                                            | 68.4                                                                                  | 266.1                                                                             | 66,100                                                                            | 70.6                                                                                    | 267.6                                                                               | 70,500                                                                              | 75                                                                                  |
| 80                                                                                | 65.0                                                                                  | 262.4                                                                             | 59,800                                                                            | 66.5                                                                                  | 263.9                                                                             | 62,600                                                                            | 68.7                                                                                    | 265.7                                                                               | 65,200                                                                              | 80                                                                                  |
| 85                                                                                | 63.0                                                                                  | 260.0                                                                             | 56,700                                                                            | 64.5                                                                                  | 261.6                                                                             | 59,500                                                                            | 66.7                                                                                    | 263.6                                                                               | 60,200                                                                              | 85                                                                                  |
| 88                                                                                | 60.8                                                                                  | 258.3                                                                             | 55,100                                                                            | 62.8                                                                                  | 260.1                                                                             | 57,700                                                                            | 64.8                                                                                    | 262.2                                                                               | 57,600                                                                              | 88                                                                                  |
| 90                                                                                | 60.9                                                                                  | 257.2                                                                             | 54,000                                                                            | 62.5                                                                                  | 259.1                                                                             | 56,500                                                                            | 64.8                                                                                    | 261.3                                                                               | 55,800                                                                              | 90                                                                                  |
| 95                                                                                | 58.8                                                                                  | 254.3                                                                             | 51,400                                                                            | 60.4                                                                                  | 256.3                                                                             | 53,800                                                                            | 62.8                                                                                    | 258.8                                                                               | 51,900                                                                              | 95                                                                                  |
| 100                                                                               | 56.7                                                                                  | 251.1                                                                             | 48,100                                                                            | 58.3                                                                                  | 253.3                                                                             | 50,400                                                                            | 60.7                                                                                    | 256.0                                                                               | 48,500                                                                              | 100                                                                                 |
| 105                                                                               | 54.5                                                                                  | 247.6                                                                             | 45,000                                                                            | 56.2                                                                                  | 250.0                                                                             | 47,200                                                                            | 58.6                                                                                    | 253.1                                                                               | 45,400                                                                              | 105                                                                                 |
| 110                                                                               | 52.3                                                                                  | 243.8                                                                             | 42,100                                                                            | 54.0                                                                                  | 246.5                                                                             | 44,400                                                                            | 56.5                                                                                    | 249.8                                                                               | 42,600                                                                              | 110                                                                                 |
| 115                                                                               | 50.0                                                                                  | 239.7                                                                             | 39,500                                                                            | 51.7                                                                                  | 242.6                                                                             | 41,800                                                                            | 54.3                                                                                    | 246.3                                                                               | 40,100                                                                              | 115                                                                                 |
| 120                                                                               | 47.6                                                                                  | 235.3                                                                             | 37,000                                                                            | 49.4                                                                                  | 238.4                                                                             | 39,400                                                                            | 52.1                                                                                    | 242.5                                                                               | 37,800                                                                              | 120                                                                                 |
| 125                                                                               | 45.1                                                                                  | 230.4                                                                             | 34,800                                                                            | 47.0                                                                                  | 233.9                                                                             | 37,200                                                                            | 49.8                                                                                    | 238.4                                                                               | 35,700                                                                              | 125                                                                                 |
| 130                                                                               | 42.5                                                                                  | 225.1                                                                             | 32,700                                                                            | 44.5                                                                                  | 228.9                                                                             | 35,200                                                                            | 47.4                                                                                    | 233.9                                                                               | 33,800                                                                              | 130                                                                                 |
| 131                                                                               | 41.4                                                                                  | 223.9                                                                             | 32,400                                                                            | 43.4                                                                                  | 227.8                                                                             | 34,900                                                                            | 46.4                                                                                    | 232.9                                                                               | 33,500                                                                              | 131                                                                                 |
| 135                                                                               | 39.7                                                                                  | 219.3                                                                             | 30,900                                                                            | 41.8                                                                                  | 223.5                                                                             | 33,400                                                                            | 44.8                                                                                    | 229.0                                                                               | 32,000                                                                              | 135                                                                                 |
| 140                                                                               | 36.8                                                                                  | 212.8                                                                             | 29,200                                                                            | 39.0                                                                                  | 217.5                                                                             | 31,700                                                                            | 42.2                                                                                    | 223.7                                                                               | 30,400                                                                              | 140                                                                                 |
| 145                                                                               | 33.7                                                                                  | 205.6                                                                             | 27,600                                                                            | 36.1                                                                                  | 210.9                                                                             | 30,200                                                                            | 39.5                                                                                    | 217.8                                                                               | 28,900                                                                              | 145                                                                                 |
| 150                                                                               | 30.2                                                                                  | 197.4                                                                             | 26,300                                                                            | 32.9                                                                                  | 203.5                                                                             | 28,700                                                                            | 36.5                                                                                    | 211.3                                                                               | 27,500                                                                              | 150                                                                                 |
| 151                                                                               | 29.2                                                                                  | 195.5                                                                             | 26,100                                                                            | 31.4                                                                                  | 201.8                                                                             | 28,400                                                                            | 35.4                                                                                    | 209.8                                                                               | 27,200                                                                              | 151                                                                                 |
| 155                                                                               | 26.4                                                                                  | 188.0                                                                             | 25,100                                                                            | 29.4                                                                                  | 195.1                                                                             | 27,300                                                                            | 33.4                                                                                    | 204.0                                                                               | 26,200                                                                              | 155                                                                                 |
| 160                                                                               | 21.9                                                                                  | 176.6                                                                             | 24,200                                                                            | 25.4                                                                                  | 185.2                                                                             | 26,000                                                                            | 29.9                                                                                    | 195.7                                                                               | 24,900                                                                              | 160                                                                                 |
| 165                                                                               | 16.3                                                                                  | 161.8                                                                             | 23,600                                                                            | 20.8                                                                                  | 173.2                                                                             | 24,800                                                                            | 26.0                                                                                    | 186.1                                                                               | 23,800                                                                              | 165                                                                                 |
| 170                                                                               | 7.2                                                                                   | 136.7                                                                             | 20,800                                                                            | 14.7                                                                                  | 157.1                                                                             | 23,700                                                                            | 21.5                                                                                    | 174.5                                                                               | 22,700                                                                              | 170                                                                                 |
| 171                                                                               | 2.4                                                                                   | 123.5                                                                             | 18,800                                                                            | 12.0                                                                                  | 151.6                                                                             | 23,100                                                                            | 19.8                                                                                    | 171.4                                                                               | 22,400                                                                              | 171                                                                                 |
| 174                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.6                                                                                   | 134.9                                                                             | 21,200                                                                            | 16.2                                                                                    | 162.3                                                                               | 21,800                                                                              | 174                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.7                                                                                    | 159.2                                                                               | 21,600                                                                              | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.6                                                                                     | 131.4                                                                               | 20,600                                                                              | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 186                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 186                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 204                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 204                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 213                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 213                                                                                 |



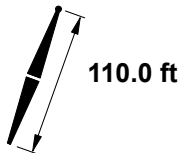
184,600 lb  
+  
44,000 lb



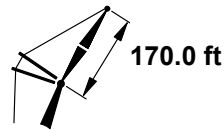
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|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 67.8 | 263.8 | 55,300 |      |       |        |      |       |        |      |       |        | 88  |
| 90  | 67.0 | 262.9 | 53,600 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 65.0 | 260.6 | 49,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 63.0 | 258.2 | 46,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.0 | 255.4 | 43,600 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 58.9 | 252.5 | 40,900 | 62.8 | 255.5 | 38,100 |      |       |        |      |       |        | 110 |
| 115 | 56.8 | 249.3 | 38,500 | 60.7 | 252.8 | 35,800 |      |       |        |      |       |        | 115 |
| 120 | 54.6 | 245.8 | 36,300 | 58.7 | 249.8 | 33,700 |      |       |        |      |       |        | 120 |
| 125 | 52.4 | 242.1 | 34,200 | 56.5 | 246.6 | 31,800 |      |       |        |      |       |        | 125 |
| 130 | 50.1 | 238.0 | 32,400 | 54.3 | 243.1 | 30,000 |      |       |        |      |       |        | 130 |
| 131 | 49.4 | 237.1 | 32,000 | 53.6 | 242.3 | 29,700 | 57.8 | 245.5 | 27,400 |      |       |        | 131 |
| 135 | 47.7 | 233.6 | 30,700 | 52.1 | 239.3 | 28,400 | 56.1 | 242.9 | 26,200 |      |       |        | 135 |
| 140 | 45.2 | 228.7 | 29,100 | 49.8 | 235.1 | 26,900 | 53.9 | 239.3 | 24,800 |      |       |        | 140 |
| 145 | 42.6 | 223.4 | 27,600 | 47.4 | 230.7 | 25,500 | 51.7 | 235.5 | 23,500 |      |       |        | 145 |
| 150 | 39.8 | 217.6 | 26,300 | 44.8 | 225.8 | 24,300 | 49.3 | 231.3 | 22,300 |      |       |        | 150 |
| 151 | 38.4 | 216.3 | 26,000 | 43.6 | 224.7 | 24,000 | 48.4 | 230.4 | 22,100 | 52.9 | 233.8 | 20,100 | 151 |
| 155 | 36.9 | 211.2 | 25,000 | 42.2 | 220.4 | 23,100 | 46.9 | 226.7 | 21,200 | 51.1 | 230.6 | 19,300 | 155 |
| 160 | 33.8 | 204.0 | 23,800 | 39.5 | 214.5 | 21,900 | 44.4 | 221.8 | 20,100 | 48.8 | 226.4 | 18,300 | 160 |
| 165 | 30.4 | 195.9 | 22,700 | 36.5 | 208.0 | 20,900 | 41.7 | 216.3 | 19,100 | 46.3 | 221.7 | 17,400 | 165 |
| 170 | 26.6 | 186.5 | 21,600 | 33.4 | 200.7 | 19,900 | 38.9 | 210.3 | 18,200 | 43.8 | 216.6 | 16,500 | 170 |
| 171 | 25.2 | 184.3 | 21,400 | 32.2 | 199.1 | 19,700 | 37.4 | 209.0 | 18,000 | 42.6 | 215.5 | 16,300 | 171 |
| 174 | 22.8 | 177.5 | 20,800 | 29.8 | 194.1 | 19,100 | 35.6 | 205.0 | 17,500 | 41.4 | 212.2 | 15,900 | 174 |
| 175 | 22.2 | 175.2 | 20,600 | 29.9 | 192.5 | 19,000 | 36.0 | 203.7 | 17,300 | 41.1 | 211.1 | 15,700 | 175 |
| 180 | 16.6 | 160.7 | 19,700 | 26.0 | 182.9 | 18,100 | 32.8 | 196.3 | 16,500 | 38.2 | 204.9 | 14,900 | 180 |
| 185 | 7.8  | 136.7 | 18,700 | 21.5 | 171.3 | 17,200 | 29.2 | 187.8 | 15,700 | 35.2 | 198.1 | 14,200 | 185 |
| 186 | 4.1  | 126.3 | 18,500 | 19.8 | 168.2 | 17,100 | 28.2 | 185.8 | 15,500 | 34.2 | 196.6 | 14,000 | 186 |
| 190 |      |       |        | 15.7 | 156.0 | 16,400 | 25.3 | 177.9 | 14,900 | 31.9 | 190.5 | 13,500 | 190 |
| 195 |      |       |        | 5.6  | 128.2 | 15,600 | 20.6 | 165.8 | 14,200 | 28.3 | 181.7 | 12,800 | 195 |
| 200 |      |       |        |      |       |        | 14.5 | 149.4 | 13,500 | 24.2 | 171.3 | 12,200 | 200 |
| 204 |      |       |        |      |       |        | 6.0  | 126.2 | 12,900 | 20.0 | 161.1 | 11,700 | 204 |
| 205 |      |       |        |      |       |        |      |       |        | 19.3 | 158.5 | 11,600 | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 12.5 | 140.4 | 10,900 | 210 |
| 213 |      |       |        |      |       |        |      |       |        | 5.1  | 120.0 | 10,500 | 213 |



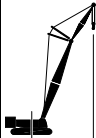
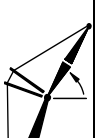
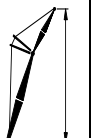
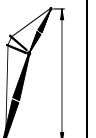
184,600 lb  
+  
44,000 lb



110.0 ft



170.0 ft

|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 54                                                                                | 75.8                                                                                  | 282.5                                                                             | 62,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 54                                                                                  |
| 55                                                                                | 75.5                                                                                  | 282.3                                                                             | 62,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 73.7                                                                                  | 280.9                                                                             | 61,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 63                                                                                | 71.8                                                                                  | 279.9                                                                             | 61,200                                                                            | 74.0                                                                                  | 280.8                                                                             | 71,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 63                                                                                  |
| 65                                                                                | 72.0                                                                                  | 279.3                                                                             | 60,800                                                                            | 73.3                                                                                  | 280.2                                                                             | 71,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 70.2                                                                                  | 277.5                                                                             | 60,000                                                                            | 71.5                                                                                  | 278.6                                                                             | 67,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 68.4                                                                                  | 275.6                                                                             | 59,100                                                                            | 69.7                                                                                  | 276.8                                                                             | 64,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 78                                                                                | 66.8                                                                                  | 274.3                                                                             | 58,700                                                                            | 67.8                                                                                  | 275.6                                                                             | 62,400                                                                            | 70.7                                                                                    | 277.1                                                                               | 66,400                                                                              | 78                                                                                  |
| 80                                                                                | 66.5                                                                                  | 273.5                                                                             | 58,400                                                                            | 67.9                                                                                  | 274.8                                                                             | 61,100                                                                            | 70.0                                                                                    | 276.4                                                                               | 64,800                                                                              | 80                                                                                  |
| 85                                                                                | 64.7                                                                                  | 271.1                                                                             | 55,500                                                                            | 66.1                                                                                  | 272.6                                                                             | 58,200                                                                            | 68.2                                                                                    | 274.4                                                                               | 59,800                                                                              | 85                                                                                  |
| 90                                                                                | 62.8                                                                                  | 268.6                                                                             | 52,800                                                                            | 64.2                                                                                  | 270.3                                                                             | 55,300                                                                            | 66.4                                                                                    | 272.3                                                                               | 55,400                                                                              | 90                                                                                  |
| 92                                                                                | 61.2                                                                                  | 267.5                                                                             | 51,700                                                                            | 63.2                                                                                  | 269.3                                                                             | 54,300                                                                            | 65.2                                                                                    | 271.4                                                                               | 53,900                                                                              | 92                                                                                  |
| 95                                                                                | 60.9                                                                                  | 265.9                                                                             | 50,000                                                                            | 62.3                                                                                  | 267.7                                                                             | 52,800                                                                            | 64.5                                                                                    | 270.0                                                                               | 51,600                                                                              | 95                                                                                  |
| 100                                                                               | 58.9                                                                                  | 262.9                                                                             | 47,000                                                                            | 60.4                                                                                  | 264.9                                                                             | 50,100                                                                            | 62.6                                                                                    | 267.4                                                                               | 48,100                                                                              | 100                                                                                 |
| 105                                                                               | 56.9                                                                                  | 259.8                                                                             | 44,200                                                                            | 58.4                                                                                  | 261.9                                                                             | 46,900                                                                            | 60.7                                                                                    | 264.7                                                                               | 45,000                                                                              | 105                                                                                 |
| 110                                                                               | 54.9                                                                                  | 256.3                                                                             | 41,500                                                                            | 56.4                                                                                  | 258.7                                                                             | 44,000                                                                            | 58.7                                                                                    | 261.7                                                                               | 42,300                                                                              | 110                                                                                 |
| 114                                                                               | 52.4                                                                                  | 253.3                                                                             | 39,500                                                                            | 54.4                                                                                  | 255.9                                                                             | 41,900                                                                            | 56.4                                                                                    | 259.1                                                                               | 40,300                                                                              | 114                                                                                 |
| 115                                                                               | 52.8                                                                                  | 252.6                                                                             | 39,100                                                                            | 54.4                                                                                  | 255.2                                                                             | 41,400                                                                            | 56.7                                                                                    | 258.5                                                                               | 39,800                                                                              | 115                                                                                 |
| 120                                                                               | 50.6                                                                                  | 248.6                                                                             | 36,700                                                                            | 52.3                                                                                  | 251.4                                                                             | 39,100                                                                            | 54.7                                                                                    | 255.0                                                                               | 37,500                                                                              | 120                                                                                 |
| 125                                                                               | 48.4                                                                                  | 244.2                                                                             | 34,600                                                                            | 50.1                                                                                  | 247.3                                                                             | 36,900                                                                            | 52.6                                                                                    | 251.3                                                                               | 35,400                                                                              | 125                                                                                 |
| 130                                                                               | 46.1                                                                                  | 239.5                                                                             | 32,600                                                                            | 47.8                                                                                  | 242.9                                                                             | 34,900                                                                            | 50.4                                                                                    | 247.3                                                                               | 33,500                                                                              | 130                                                                                 |
| 135                                                                               | 43.6                                                                                  | 234.4                                                                             | 30,700                                                                            | 45.5                                                                                  | 238.1                                                                             | 33,100                                                                            | 48.2                                                                                    | 242.9                                                                               | 31,700                                                                              | 135                                                                                 |
| 136                                                                               | 42.6                                                                                  | 233.3                                                                             | 30,300                                                                            | 44.6                                                                                  | 237.1                                                                             | 32,800                                                                            | 47.4                                                                                    | 241.9                                                                               | 31,400                                                                              | 136                                                                                 |
| 140                                                                               | 41.1                                                                                  | 228.9                                                                             | 29,000                                                                            | 43.1                                                                                  | 232.9                                                                             | 31,400                                                                            | 45.8                                                                                    | 238.1                                                                               | 30,100                                                                              | 140                                                                                 |
| 145                                                                               | 38.5                                                                                  | 222.8                                                                             | 27,500                                                                            | 40.5                                                                                  | 227.2                                                                             | 29,800                                                                            | 43.4                                                                                    | 233.0                                                                               | 28,600                                                                              | 145                                                                                 |
| 150                                                                               | 35.6                                                                                  | 216.0                                                                             | 26,100                                                                            | 37.8                                                                                  | 221.0                                                                             | 28,400                                                                            | 40.9                                                                                    | 227.4                                                                               | 27,200                                                                              | 150                                                                                 |
| 155                                                                               | 32.6                                                                                  | 208.5                                                                             | 24,800                                                                            | 35.0                                                                                  | 214.1                                                                             | 27,000                                                                            | 38.2                                                                                    | 221.3                                                                               | 25,800                                                                              | 155                                                                                 |
| 157                                                                               | 30.8                                                                                  | 205.1                                                                             | 24,400                                                                            | 32.8                                                                                  | 211.0                                                                             | 26,500                                                                            | 36.8                                                                                    | 218.5                                                                               | 25,300                                                                              | 157                                                                                 |
| 160                                                                               | 29.3                                                                                  | 200.1                                                                             | 23,700                                                                            | 31.9                                                                                  | 206.4                                                                             | 25,800                                                                            | 35.4                                                                                    | 214.5                                                                               | 24,600                                                                              | 160                                                                                 |
| 165                                                                               | 25.6                                                                                  | 190.2                                                                             | 22,800                                                                            | 28.5                                                                                  | 197.6                                                                             | 24,600                                                                            | 32.3                                                                                    | 206.9                                                                               | 23,500                                                                              | 165                                                                                 |
| 170                                                                               | 21.3                                                                                  | 178.4                                                                             | 22,000                                                                            | 24.6                                                                                  | 187.4                                                                             | 23,400                                                                            | 29.0                                                                                    | 198.3                                                                               | 22,400                                                                              | 170                                                                                 |
| 175                                                                               | 15.8                                                                                  | 163.1                                                                             | 21,400                                                                            | 20.1                                                                                  | 175.0                                                                             | 22,400                                                                            | 25.2                                                                                    | 188.3                                                                               | 21,300                                                                              | 175                                                                                 |
| 180                                                                               | 6.9                                                                                   | 137.3                                                                             | 18,300                                                                            | 14.3                                                                                  | 158.4                                                                             | 21,300                                                                            | 20.8                                                                                    | 176.3                                                                               | 20,400                                                                              | 180                                                                                 |
| 181                                                                               | 2.3                                                                                   | 123.6                                                                             | 16,500                                                                            | 12.0                                                                                  | 152.6                                                                             | 20,700                                                                            | 19.0                                                                                    | 173.1                                                                               | 20,200                                                                              | 181                                                                                 |
| 184                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.4                                                                                   | 135.4                                                                             | 18,700                                                                            | 16.0                                                                                    | 163.7                                                                               | 19,600                                                                              | 184                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.2                                                                                    | 160.5                                                                               | 19,400                                                                              | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.4                                                                                     | 131.9                                                                               | 18,500                                                                              | 190                                                                                 |
| 196                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 196                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 214                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 214                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 223                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 223                                                                                 |

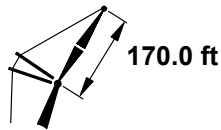
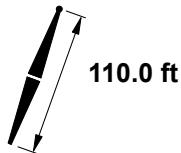


# MLC250 S-2

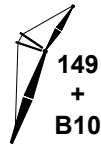
ASME B30.5



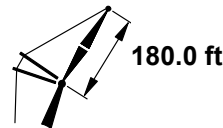
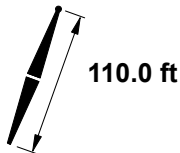
184,600 lb  
+  
44,000 lb

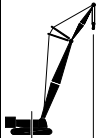
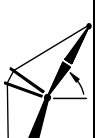
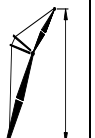
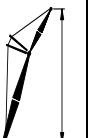


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 92  | 67.7 | 272.9 | 51,700 |      |       |        |      |       |        |      |       |        | 92  |
| 95  | 66.6 | 271.6 | 49,500 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.8 | 269.3 | 46,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.9 | 266.8 | 43,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.0 | 264.1 | 40,500 |      |       |        |      |       |        |      |       |        | 110 |
| 114 | 58.4 | 261.7 | 38,600 | 63.0 | 264.7 | 35,800 |      |       |        |      |       |        | 114 |
| 115 | 59.0 | 261.2 | 38,100 | 62.6 | 264.2 | 35,400 |      |       |        |      |       |        | 115 |
| 120 | 57.0 | 258.0 | 35,900 | 60.7 | 261.5 | 33,300 |      |       |        |      |       |        | 120 |
| 125 | 55.0 | 254.6 | 33,900 | 58.7 | 258.5 | 31,400 |      |       |        |      |       |        | 125 |
| 130 | 52.9 | 250.9 | 32,000 | 56.7 | 255.3 | 29,600 |      |       |        |      |       |        | 130 |
| 135 | 50.7 | 246.9 | 30,300 | 54.7 | 251.8 | 28,000 |      |       |        |      |       |        | 135 |
| 136 | 49.6 | 246.0 | 30,000 | 53.6 | 251.1 | 27,700 | 58.0 | 254.2 | 25,500 |      |       |        | 136 |
| 140 | 48.5 | 242.5 | 28,700 | 52.6 | 248.1 | 26,500 | 56.4 | 251.6 | 24,400 |      |       |        | 140 |
| 145 | 46.2 | 237.8 | 27,300 | 50.4 | 244.0 | 25,200 | 54.3 | 248.1 | 23,100 |      |       |        | 145 |
| 150 | 43.8 | 232.8 | 25,900 | 48.2 | 239.7 | 23,900 | 52.2 | 244.3 | 21,900 |      |       |        | 150 |
| 155 | 41.2 | 227.2 | 24,700 | 45.8 | 234.9 | 22,700 | 50.0 | 240.2 | 20,800 |      |       |        | 155 |
| 157 | 39.8 | 224.8 | 24,200 | 44.2 | 232.9 | 22,200 | 48.8 | 238.4 | 20,300 | 52.9 | 241.8 | 18,500 | 157 |
| 160 | 38.6 | 221.2 | 23,500 | 43.4 | 229.8 | 21,600 | 47.8 | 235.7 | 19,700 | 51.7 | 239.5 | 17,900 | 160 |
| 165 | 35.8 | 214.5 | 22,400 | 40.9 | 224.2 | 20,500 | 45.4 | 230.9 | 18,700 | 49.5 | 235.3 | 17,000 | 165 |
| 170 | 32.8 | 207.0 | 21,300 | 38.2 | 218.0 | 19,500 | 43.0 | 225.7 | 17,800 | 47.2 | 230.8 | 16,100 | 170 |
| 175 | 29.4 | 198.6 | 20,300 | 35.4 | 211.2 | 18,600 | 40.4 | 220.0 | 16,900 | 44.8 | 225.9 | 15,300 | 175 |
| 180 | 25.8 | 188.8 | 19,400 | 32.3 | 203.6 | 17,700 | 37.7 | 213.8 | 16,100 | 42.4 | 220.5 | 14,500 | 180 |
| 181 | 24.2 | 186.5 | 19,200 | 31.2 | 201.9 | 17,600 | 36.4 | 212.4 | 16,000 | 41.4 | 219.4 | 14,400 | 181 |
| 184 | 21.8 | 179.5 | 18,700 | 28.8 | 196.8 | 17,100 | 34.6 | 208.2 | 15,500 | 39.6 | 215.9 | 13,900 | 184 |
| 185 | 21.5 | 177.1 | 18,500 | 29.0 | 195.1 | 16,900 | 34.8 | 206.8 | 15,300 | 39.8 | 214.7 | 13,800 | 185 |
| 190 | 16.1 | 162.1 | 17,600 | 25.2 | 185.1 | 16,100 | 31.7 | 199.1 | 14,600 | 37.0 | 208.3 | 13,100 | 190 |
| 196 | 4.0  | 126.6 | 16,600 | 19.0 | 168.4 | 15,200 | 26.8 | 187.7 | 13,800 | 32.8 | 199.3 | 12,300 | 196 |
| 200 |      |       |        | 15.3 | 157.3 | 14,600 | 24.5 | 180.0 | 13,200 | 30.9 | 193.2 | 11,800 | 200 |
| 205 |      |       |        | 5.4  | 128.7 | 13,900 | 19.9 | 167.5 | 12,600 | 27.4 | 184.1 | 11,200 | 205 |
| 210 |      |       |        |      |       |        | 14.0 | 150.7 | 11,900 | 23.5 | 173.4 | 10,600 | 210 |
| 214 |      |       |        |      |       |        | 5.8  | 126.6 | 11,400 | 18.6 | 160.6 | 10,200 | 214 |
| 220 |      |       |        |      |       |        |      |       |        | 12.1 | 141.4 | 9,500  | 220 |
| 223 |      |       |        |      |       |        |      |       |        | 5.0  | 120.4 | 9,200  | 223 |



184,600 lb  
+  
44,000 lb



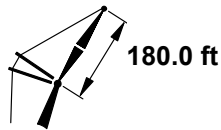
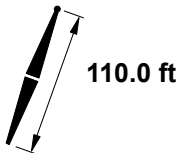
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 56                                                                                   | 76.0                                                                                  | 292.4                                                                                | 56,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 56                                                                                     |
| 60                                                                                   | 74.6                                                                                  | 291.3                                                                                | 56,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 73.0                                                                                  | 289.8                                                                                | 55,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 66                                                                                   | 71.8                                                                                  | 289.5                                                                                | 55,600                                                                               | 73.9                                                                                  | 290.4                                                                                | 64,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 66                                                                                     |
| 70                                                                                   | 71.3                                                                                  | 288.1                                                                                | 54,900                                                                               | 72.6                                                                                  | 289.1                                                                                | 63,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 69.6                                                                                  | 286.3                                                                                | 54,200                                                                               | 70.9                                                                                  | 287.4                                                                                | 62,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 67.9                                                                                  | 284.3                                                                                | 53,500                                                                               | 69.2                                                                                  | 285.6                                                                                | 59,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 81                                                                                   | 66.8                                                                                  | 283.9                                                                                | 53,300                                                                               | 68.6                                                                                  | 285.2                                                                                | 58,800                                                                               | 70.8                                                                                    | 286.7                                                                                  | 61,500                                                                                 | 81                                                                                     |
| 85                                                                                   | 66.2                                                                                  | 282.2                                                                                | 52,800                                                                               | 67.5                                                                                  | 283.6                                                                                | 56,500                                                                               | 69.5                                                                                    | 285.2                                                                                  | 59,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 64.4                                                                                  | 279.8                                                                                | 50,900                                                                               | 65.8                                                                                  | 281.4                                                                                | 53,900                                                                               | 67.8                                                                                    | 283.2                                                                                  | 55,000                                                                                 | 90                                                                                     |
| 95                                                                                   | 62.6                                                                                  | 277.3                                                                                | 48,300                                                                               | 64.0                                                                                  | 279.0                                                                                | 51,400                                                                               | 66.0                                                                                    | 281.0                                                                                  | 51,100                                                                                 | 95                                                                                     |
| 100                                                                                  | 60.8                                                                                  | 274.6                                                                                | 45,700                                                                               | 62.2                                                                                  | 276.4                                                                                | 49,000                                                                               | 64.3                                                                                    | 278.7                                                                                  | 47,700                                                                                 | 100                                                                                    |
| 105                                                                                  | 59.0                                                                                  | 271.6                                                                                | 43,200                                                                               | 60.4                                                                                  | 273.6                                                                                | 46,500                                                                               | 62.5                                                                                    | 276.1                                                                                  | 44,600                                                                                 | 105                                                                                    |
| 110                                                                                  | 57.1                                                                                  | 268.4                                                                                | 40,800                                                                               | 58.5                                                                                  | 270.6                                                                                | 43,600                                                                               | 60.7                                                                                    | 273.3                                                                                  | 41,800                                                                                 | 110                                                                                    |
| 115                                                                                  | 55.2                                                                                  | 265.0                                                                                | 38,500                                                                               | 56.6                                                                                  | 267.4                                                                                | 41,000                                                                               | 58.8                                                                                    | 270.4                                                                                  | 39,300                                                                                 | 115                                                                                    |
| 119                                                                                  | 53.4                                                                                  | 262.1                                                                                | 36,600                                                                               | 54.4                                                                                  | 264.6                                                                                | 39,100                                                                               | 56.4                                                                                    | 267.8                                                                                  | 37,500                                                                                 | 119                                                                                    |
| 120                                                                                  | 53.2                                                                                  | 261.4                                                                                | 36,200                                                                               | 54.7                                                                                  | 263.9                                                                                | 38,700                                                                               | 56.9                                                                                    | 267.2                                                                                  | 37,000                                                                                 | 120                                                                                    |
| 125                                                                                  | 51.2                                                                                  | 257.4                                                                                | 34,100                                                                               | 52.7                                                                                  | 260.2                                                                                | 36,500                                                                               | 55.0                                                                                    | 263.8                                                                                  | 34,900                                                                                 | 125                                                                                    |
| 130                                                                                  | 49.1                                                                                  | 253.2                                                                                | 32,200                                                                               | 50.7                                                                                  | 256.2                                                                                | 34,500                                                                               | 53.0                                                                                    | 260.1                                                                                  | 33,000                                                                                 | 130                                                                                    |
| 135                                                                                  | 46.9                                                                                  | 248.6                                                                                | 30,400                                                                               | 48.6                                                                                  | 251.9                                                                                | 32,700                                                                               | 51.0                                                                                    | 256.1                                                                                  | 31,300                                                                                 | 135                                                                                    |
| 140                                                                                  | 44.7                                                                                  | 243.7                                                                                | 28,800                                                                               | 46.4                                                                                  | 247.2                                                                                | 31,000                                                                               | 48.9                                                                                    | 251.8                                                                                  | 29,600                                                                                 | 140                                                                                    |
| 142                                                                                  | 43.2                                                                                  | 241.5                                                                                | 28,200                                                                               | 45.2                                                                                  | 245.2                                                                                | 30,400                                                                               | 47.2                                                                                    | 250.0                                                                                  | 29,000                                                                                 | 142                                                                                    |
| 145                                                                                  | 42.3                                                                                  | 238.3                                                                                | 27,300                                                                               | 44.1                                                                                  | 242.2                                                                                | 29,400                                                                               | 46.7                                                                                    | 247.2                                                                                  | 28,100                                                                                 | 145                                                                                    |
| 150                                                                                  | 39.9                                                                                  | 232.5                                                                                | 25,900                                                                               | 41.8                                                                                  | 236.7                                                                                | 28,000                                                                               | 44.5                                                                                    | 242.3                                                                                  | 26,700                                                                                 | 150                                                                                    |
| 155                                                                                  | 37.3                                                                                  | 226.2                                                                                | 24,600                                                                               | 39.3                                                                                  | 230.8                                                                                | 26,600                                                                               | 42.1                                                                                    | 236.9                                                                                  | 25,400                                                                                 | 155                                                                                    |
| 160                                                                                  | 34.6                                                                                  | 219.2                                                                                | 23,400                                                                               | 36.7                                                                                  | 224.3                                                                                | 25,400                                                                               | 39.7                                                                                    | 231.0                                                                                  | 24,200                                                                                 | 160                                                                                    |
| 163                                                                                  | 32.2                                                                                  | 214.5                                                                                | 22,800                                                                               | 34.2                                                                                  | 220.0                                                                                | 24,700                                                                               | 37.8                                                                                    | 227.2                                                                                  | 23,500                                                                                 | 163                                                                                    |
| 165                                                                                  | 31.7                                                                                  | 211.4                                                                                | 22,400                                                                               | 33.9                                                                                  | 217.1                                                                                | 24,200                                                                               | 37.1                                                                                    | 224.6                                                                                  | 23,100                                                                                 | 165                                                                                    |
| 170                                                                                  | 28.4                                                                                  | 202.6                                                                                | 21,400                                                                               | 30.9                                                                                  | 209.1                                                                                | 23,100                                                                               | 34.3                                                                                    | 217.6                                                                                  | 22,000                                                                                 | 170                                                                                    |
| 175                                                                                  | 24.8                                                                                  | 192.4                                                                                | 20,600                                                                               | 27.6                                                                                  | 200.1                                                                                | 22,000                                                                               | 31.4                                                                                    | 209.7                                                                                  | 21,000                                                                                 | 175                                                                                    |
| 180                                                                                  | 20.6                                                                                  | 180.3                                                                                | 20,000                                                                               | 23.9                                                                                  | 189.5                                                                                | 21,000                                                                               | 28.1                                                                                    | 200.8                                                                                  | 20,000                                                                                 | 180                                                                                    |
| 185                                                                                  | 15.4                                                                                  | 164.5                                                                                | 19,200                                                                               | 19.5                                                                                  | 176.7                                                                                | 20,100                                                                               | 24.5                                                                                    | 190.5                                                                                  | 19,100                                                                                 | 185                                                                                    |
| 190                                                                                  | 6.7                                                                                   | 137.8                                                                                | 16,000                                                                               | 13.8                                                                                  | 159.6                                                                                | 19,100                                                                               | 20.2                                                                                    | 178.1                                                                                  | 18,200                                                                                 | 190                                                                                    |
| 191                                                                                  | 2.3                                                                                   | 123.8                                                                                | 14,300                                                                               | 11.3                                                                                  | 153.7                                                                                | 18,400                                                                               | 18.8                                                                                    | 174.8                                                                                  | 18,000                                                                                 | 191                                                                                    |
| 194                                                                                  |                                                                                       |                                                                                      |                                                                                      | 6.2                                                                                   | 136.0                                                                                | 16,300                                                                               | 15.2                                                                                    | 165.1                                                                                  | 17,500                                                                                 | 194                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 14.8                                                                                    | 161.8                                                                                  | 17,400                                                                                 | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.3                                                                                     | 132.3                                                                                  | 16,500                                                                                 | 200                                                                                    |
| 206                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 206                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 224                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 224                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 233                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 233                                                                                    |

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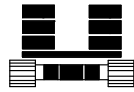
ASME B30.5



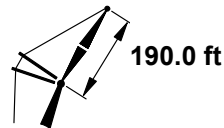
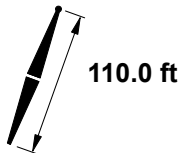
184,600 lb  
+  
44,000 lb

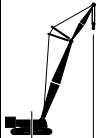
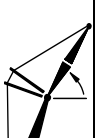
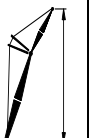
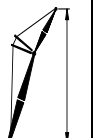
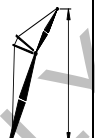
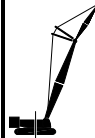


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 81  |      |       |        |      |       |        |      |       |        |      |       |        | 81  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 68.0 | 282.5 | 49,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 66.3 | 280.4 | 45,700 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.5 | 278.0 | 42,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 62.7 | 275.5 | 40,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 60.9 | 272.8 | 37,600 |      |       |        |      |       |        |      |       |        | 115 |
| 119 | 59.2 | 270.4 | 35,900 | 62.8 | 273.4 | 33,200 |      |       |        |      |       |        | 119 |
| 120 | 59.1 | 269.8 | 35,400 | 62.5 | 272.9 | 32,800 |      |       |        |      |       |        | 120 |
| 125 | 57.2 | 266.7 | 33,400 | 60.7 | 270.1 | 30,900 |      |       |        |      |       |        | 125 |
| 130 | 55.2 | 263.3 | 31,600 | 58.8 | 267.1 | 29,100 |      |       |        |      |       |        | 130 |
| 135 | 53.3 | 259.6 | 29,900 | 56.9 | 264.0 | 27,500 |      |       |        |      |       |        | 135 |
| 140 | 51.3 | 255.7 | 28,300 | 55.0 | 260.5 | 26,000 |      |       |        |      |       |        | 140 |
| 142 | 50.2 | 254.0 | 27,700 | 53.6 | 259.0 | 25,500 | 57.7 | 262.2 | 23,300 |      |       |        | 142 |
| 145 | 49.2 | 251.5 | 26,800 | 53.0 | 256.8 | 24,700 | 56.6 | 260.3 | 22,500 |      |       |        | 145 |
| 150 | 47.0 | 246.9 | 25,500 | 51.0 | 252.9 | 23,400 | 54.6 | 256.8 | 21,300 |      |       |        | 150 |
| 155 | 44.8 | 242.0 | 24,200 | 48.9 | 248.6 | 22,200 | 52.6 | 253.1 | 20,200 |      |       |        | 155 |
| 160 | 42.5 | 236.7 | 23,000 | 46.7 | 244.0 | 21,100 | 50.6 | 249.0 | 19,200 |      |       |        | 160 |
| 163 | 40.8 | 233.2 | 22,400 | 44.8 | 241.0 | 20,500 | 48.8 | 246.4 | 18,600 | 53.0 | 249.8 | 16,800 | 163 |
| 165 | 40.0 | 230.9 | 21,900 | 44.5 | 239.0 | 20,000 | 48.5 | 244.7 | 18,200 | 52.2 | 248.3 | 16,400 | 165 |
| 170 | 37.5 | 224.6 | 20,900 | 42.1 | 233.6 | 19,100 | 46.3 | 240.1 | 17,300 | 50.1 | 244.2 | 15,600 | 170 |
| 175 | 34.7 | 217.6 | 19,900 | 39.7 | 227.8 | 18,100 | 44.1 | 235.0 | 16,400 | 48.0 | 239.8 | 14,800 | 175 |
| 180 | 31.8 | 209.8 | 19,000 | 37.1 | 221.4 | 17,300 | 41.7 | 229.6 | 15,600 | 45.8 | 235.0 | 14,000 | 180 |
| 185 | 28.6 | 201.1 | 18,100 | 34.3 | 214.3 | 16,500 | 39.2 | 223.6 | 14,800 | 43.5 | 229.9 | 13,300 | 185 |
| 190 | 25.0 | 191.0 | 17,300 | 31.4 | 206.5 | 15,700 | 36.6 | 217.1 | 14,100 | 41.1 | 224.3 | 12,600 | 190 |
| 191 | 24.0 | 188.6 | 17,100 | 30.4 | 204.7 | 15,500 | 35.4 | 215.6 | 14,000 | 40.4 | 223.1 | 12,400 | 191 |
| 194 | 21.0 | 181.4 | 16,600 | 28.6 | 199.3 | 15,100 | 33.6 | 211.3 | 13,500 | 38.6 | 219.4 | 12,100 | 194 |
| 195 | 20.8 | 179.0 | 16,500 | 28.1 | 197.6 | 14,900 | 33.8 | 209.9 | 13,400 | 38.6 | 218.2 | 11,900 | 195 |
| 200 | 15.6 | 163.4 | 15,700 | 24.5 | 187.3 | 14,200 | 30.8 | 201.9 | 12,700 | 36.0 | 211.6 | 11,300 | 200 |
| 206 | 3.8  | 126.9 | 14,700 | 18.0 | 170.1 | 13,400 | 25.8 | 190.0 | 12,000 | 32.0 | 202.2 | 10,600 | 206 |
| 210 |      |       |        | 14.8 | 158.6 | 12,900 | 23.8 | 182.1 | 11,500 | 30.0 | 195.9 | 10,200 | 210 |
| 215 |      |       |        | 5.3  | 129.1 | 12,200 | 19.4 | 169.2 | 10,900 | 26.6 | 186.5 | 9,600  | 215 |
| 220 |      |       |        |      |       |        | 13.6 | 151.8 | 10,300 | 22.8 | 175.4 | 9,100  | 220 |
| 224 |      |       |        |      |       |        | 5.6  | 127.1 | 9,900  | 17.6 | 162.2 | 8,700  | 224 |
| 230 |      |       |        |      |       |        |      |       |        | 11.8 | 142.4 | 8,000  | 230 |
| 233 |      |       |        |      |       |        |      |       |        | 4.8  | 120.8 | 7,700  | 233 |



184,600 lb  
+  
44,000 lb



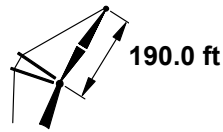
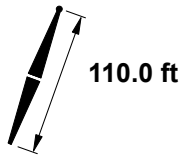
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 59                                                                                | 75.8                                                                                  | 301.9                                                                             | 50,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 59                                                                                  |
| 60                                                                                | 75.5                                                                                  | 301.6                                                                             | 50,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 73.9                                                                                  | 300.2                                                                             | 50,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 69                                                                                | 72.2                                                                                  | 299.0                                                                             | 50,200                                                                            | 73.9                                                                                  | 299.9                                                                             | 57,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 69                                                                                  |
| 70                                                                                | 72.3                                                                                  | 298.7                                                                             | 50,100                                                                            | 73.5                                                                                  | 299.6                                                                             | 57,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 70.7                                                                                  | 297.0                                                                             | 49,300                                                                            | 72.0                                                                                  | 298.0                                                                             | 57,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 69.1                                                                                  | 295.1                                                                             | 48,700                                                                            | 70.4                                                                                  | 296.3                                                                             | 56,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 84                                                                                | 67.4                                                                                  | 293.5                                                                             | 48,300                                                                            | 68.4                                                                                  | 294.7                                                                             | 55,300                                                                            | 70.9                                                                                    | 296.2                                                                               | 55,000                                                                              | 84                                                                                  |
| 85                                                                                | 67.5                                                                                  | 293.1                                                                             | 48,100                                                                            | 68.8                                                                                  | 294.4                                                                             | 54,900                                                                            | 70.6                                                                                    | 295.9                                                                               | 54,900                                                                              | 85                                                                                  |
| 90                                                                                | 65.9                                                                                  | 290.9                                                                             | 47,600                                                                            | 67.1                                                                                  | 292.3                                                                             | 52,400                                                                            | 69.0                                                                                    | 294.0                                                                               | 54,800                                                                              | 90                                                                                  |
| 95                                                                                | 64.2                                                                                  | 288.5                                                                             | 46,800                                                                            | 65.5                                                                                  | 290.1                                                                             | 50,000                                                                            | 67.4                                                                                    | 291.9                                                                               | 50,900                                                                              | 95                                                                                  |
| 99                                                                                | 62.4                                                                                  | 286.5                                                                             | 44,900                                                                            | 63.4                                                                                  | 288.1                                                                             | 48,300                                                                            | 65.4                                                                                    | 290.2                                                                               | 48,100                                                                              | 99                                                                                  |
| 100                                                                               | 62.5                                                                                  | 286.0                                                                             | 44,400                                                                            | 63.8                                                                                  | 287.7                                                                             | 47,800                                                                            | 65.7                                                                                    | 289.7                                                                               | 47,400                                                                              | 100                                                                                 |
| 105                                                                               | 60.8                                                                                  | 283.2                                                                             | 42,200                                                                            | 62.1                                                                                  | 285.1                                                                             | 45,700                                                                            | 64.0                                                                                    | 287.3                                                                               | 44,400                                                                              | 105                                                                                 |
| 110                                                                               | 59.0                                                                                  | 280.3                                                                             | 40,000                                                                            | 60.4                                                                                  | 282.3                                                                             | 43,400                                                                            | 62.3                                                                                    | 284.8                                                                               | 41,600                                                                              | 110                                                                                 |
| 115                                                                               | 57.2                                                                                  | 277.1                                                                             | 37,900                                                                            | 58.6                                                                                  | 279.3                                                                             | 40,800                                                                            | 60.6                                                                                    | 282.0                                                                               | 39,100                                                                              | 115                                                                                 |
| 120                                                                               | 55.4                                                                                  | 273.7                                                                             | 35,900                                                                            | 56.8                                                                                  | 276.1                                                                             | 38,400                                                                            | 58.9                                                                                    | 279.0                                                                               | 36,800                                                                              | 120                                                                                 |
| 123                                                                               | 53.8                                                                                  | 271.6                                                                             | 34,700                                                                            | 54.8                                                                                  | 274.0                                                                             | 37,100                                                                            | 57.4                                                                                    | 277.1                                                                               | 35,600                                                                              | 123                                                                                 |
| 125                                                                               | 53.6                                                                                  | 270.1                                                                             | 34,000                                                                            | 55.0                                                                                  | 272.6                                                                             | 36,300                                                                            | 57.1                                                                                    | 275.9                                                                               | 34,700                                                                              | 125                                                                                 |
| 130                                                                               | 51.7                                                                                  | 266.2                                                                             | 32,100                                                                            | 53.1                                                                                  | 268.9                                                                             | 34,300                                                                            | 55.3                                                                                    | 272.5                                                                               | 32,800                                                                              | 130                                                                                 |
| 135                                                                               | 49.7                                                                                  | 262.1                                                                             | 30,400                                                                            | 51.2                                                                                  | 265.0                                                                             | 32,500                                                                            | 53.4                                                                                    | 268.8                                                                               | 31,100                                                                              | 135                                                                                 |
| 140                                                                               | 47.7                                                                                  | 257.6                                                                             | 28,700                                                                            | 49.2                                                                                  | 260.8                                                                             | 30,800                                                                            | 51.5                                                                                    | 264.9                                                                               | 29,400                                                                              | 140                                                                                 |
| 145                                                                               | 45.6                                                                                  | 252.8                                                                             | 27,300                                                                            | 47.2                                                                                  | 256.3                                                                             | 29,200                                                                            | 49.5                                                                                    | 260.7                                                                               | 27,900                                                                              | 145                                                                                 |
| 147                                                                               | 44.2                                                                                  | 250.8                                                                             | 26,700                                                                            | 46.2                                                                                  | 254.3                                                                             | 28,700                                                                            | 48.2                                                                                    | 258.9                                                                               | 27,400                                                                              | 147                                                                                 |
| 150                                                                               | 43.4                                                                                  | 247.7                                                                             | 25,900                                                                            | 45.1                                                                                  | 251.4                                                                             | 27,800                                                                            | 47.5                                                                                    | 256.3                                                                               | 26,500                                                                              | 150                                                                                 |
| 155                                                                               | 41.2                                                                                  | 242.1                                                                             | 24,600                                                                            | 42.9                                                                                  | 246.1                                                                             | 26,400                                                                            | 45.4                                                                                    | 251.4                                                                               | 25,200                                                                              | 155                                                                                 |
| 160                                                                               | 38.8                                                                                  | 236.1                                                                             | 23,400                                                                            | 40.6                                                                                  | 240.5                                                                             | 25,200                                                                            | 43.2                                                                                    | 246.2                                                                               | 24,000                                                                              | 160                                                                                 |
| 165                                                                               | 36.3                                                                                  | 229.5                                                                             | 22,300                                                                            | 38.2                                                                                  | 234.3                                                                             | 24,000                                                                            | 40.9                                                                                    | 240.6                                                                               | 22,900                                                                              | 165                                                                                 |
| 169                                                                               | 33.6                                                                                  | 223.6                                                                             | 21,500                                                                            | 35.6                                                                                  | 228.9                                                                             | 23,100                                                                            | 38.4                                                                                    | 235.8                                                                               | 22,000                                                                              | 169                                                                                 |
| 170                                                                               | 33.6                                                                                  | 222.2                                                                             | 21,300                                                                            | 35.7                                                                                  | 227.5                                                                             | 22,900                                                                            | 38.6                                                                                    | 234.5                                                                               | 21,800                                                                              | 170                                                                                 |
| 175                                                                               | 30.8                                                                                  | 214.1                                                                             | 20,500                                                                            | 33.0                                                                                  | 220.1                                                                             | 21,800                                                                            | 36.1                                                                                    | 227.9                                                                               | 20,800                                                                              | 175                                                                                 |
| 180                                                                               | 27.6                                                                                  | 205.0                                                                             | 19,600                                                                            | 30.1                                                                                  | 211.8                                                                             | 20,800                                                                            | 33.4                                                                                    | 220.6                                                                               | 19,800                                                                              | 180                                                                                 |
| 190                                                                               | 20.1                                                                                  | 182.0                                                                             | 18,400                                                                            | 23.3                                                                                  | 191.6                                                                             | 19,000                                                                            | 27.4                                                                                    | 203.2                                                                               | 18,100                                                                              | 190                                                                                 |
| 200                                                                               | 6.5                                                                                   | 138.4                                                                             | 14,100                                                                            | 13.5                                                                                  | 160.7                                                                             | 17,000                                                                            | 19.7                                                                                    | 179.8                                                                               | 16,500                                                                              | 200                                                                                 |
| 201                                                                               | 2.2                                                                                   | 124.0                                                                             | 12,700                                                                            | 11.3                                                                                  | 154.7                                                                             | 16,400                                                                            | 17.6                                                                                    | 175.1                                                                               | 16,300                                                                              | 201                                                                                 |
| 204                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.0                                                                                   | 136.5                                                                             | 14,500                                                                            | 13.4                                                                                    | 161.0                                                                               | 15,800                                                                              | 204                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.1                                                                                     | 132.7                                                                               | 14,900                                                                              | 210                                                                                 |
| 216                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 216                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 225                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 234                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 234                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 243                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 243                                                                                 |

# MLC250 S-2

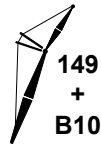
ASME B30.5



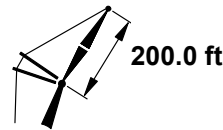
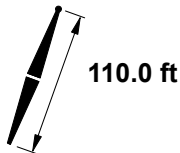
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+  
44,000 lb

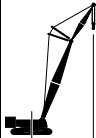
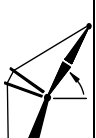
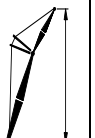
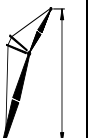
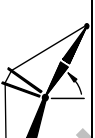


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  |      |       |        |      |       |        |      |       |        |      |       |        | 84  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 67.9 | 291.7 | 46,100 |      |       |        |      |       |        |      |       |        | 99  |
| 100 | 67.6 | 291.3 | 45,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.9 | 289.1 | 42,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.3 | 286.7 | 39,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.6 | 284.2 | 37,400 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 60.9 | 281.4 | 35,200 |      |       |        |      |       |        |      |       |        | 120 |
| 123 | 59.4 | 279.7 | 34,000 | 63.0 | 282.6 | 31,400 |      |       |        |      |       |        | 123 |
| 125 | 59.1 | 278.5 | 33,200 | 62.3 | 281.5 | 30,600 |      |       |        |      |       |        | 125 |
| 130 | 57.3 | 275.3 | 31,300 | 60.6 | 278.8 | 28,900 |      |       |        |      |       |        | 130 |
| 135 | 55.5 | 272.0 | 29,600 | 58.9 | 275.8 | 27,300 |      |       |        |      |       |        | 135 |
| 140 | 53.6 | 268.4 | 28,100 | 57.1 | 272.6 | 25,800 |      |       |        |      |       |        | 140 |
| 145 | 51.7 | 264.5 | 26,600 | 55.3 | 269.2 | 24,400 |      |       |        |      |       |        | 145 |
| 147 | 50.2 | 262.8 | 26,100 | 54.2 | 267.8 | 23,900 | 57.8 | 270.9 | 21,800 |      |       |        | 147 |
| 150 | 49.8 | 260.4 | 25,300 | 53.4 | 265.6 | 23,200 | 56.8 | 269.0 | 21,100 |      |       |        | 150 |
| 155 | 47.8 | 255.9 | 24,000 | 51.5 | 261.7 | 22,000 | 54.9 | 265.5 | 20,000 |      |       |        | 155 |
| 160 | 45.7 | 251.1 | 22,800 | 49.5 | 257.5 | 20,900 | 53.0 | 261.8 | 19,000 |      |       |        | 160 |
| 165 | 43.5 | 246.0 | 21,700 | 47.5 | 253.0 | 19,800 | 51.1 | 257.9 | 18,000 |      |       |        | 165 |
| 169 | 41.4 | 241.6 | 20,900 | 45.4 | 249.2 | 19,100 | 49.4 | 254.5 | 17,300 | 53.0 | 257.8 | 15,500 | 169 |
| 170 | 41.3 | 240.5 | 20,700 | 45.4 | 248.2 | 18,900 | 49.2 | 253.6 | 17,100 | 52.6 | 257.0 | 15,300 | 170 |
| 175 | 38.9 | 234.4 | 19,700 | 43.2 | 243.0 | 17,900 | 47.1 | 249.1 | 16,200 | 50.7 | 253.0 | 14,500 | 175 |
| 180 | 36.4 | 227.9 | 18,800 | 41.0 | 237.4 | 17,100 | 45.0 | 244.2 | 15,400 | 48.7 | 248.7 | 13,800 | 180 |
| 190 | 30.9 | 212.6 | 17,100 | 36.1 | 224.7 | 15,500 | 40.5 | 233.3 | 13,900 | 44.5 | 239.1 | 12,400 | 190 |
| 200 | 24.3 | 193.2 | 15,500 | 30.5 | 209.2 | 14,000 | 35.6 | 220.3 | 12,600 | 40.0 | 228.0 | 11,100 | 200 |
| 201 | 23.1 | 190.3 | 15,400 | 29.3 | 207.2 | 13,900 | 34.4 | 218.7 | 12,400 | 38.5 | 226.6 | 11,000 | 201 |
| 204 | 20.4 | 181.8 | 15,000 | 27.2 | 201.3 | 13,500 | 32.6 | 214.0 | 12,100 | 37.0 | 222.7 | 10,700 | 204 |
| 210 | 15.2 | 164.7 | 14,100 | 23.8 | 189.4 | 12,700 | 30.0 | 204.5 | 11,300 | 35.0 | 214.7 | 10,000 | 210 |
| 216 | 3.7  | 127.2 | 13,300 | 17.6 | 171.6 | 12,000 | 25.4 | 192.3 | 10,700 | 31.0 | 205.0 | 9,300  | 216 |
| 220 |      |       |        | 14.4 | 159.8 | 11,500 | 23.1 | 184.2 | 10,200 | 29.2 | 198.5 | 8,900  | 220 |
| 225 |      |       |        | 5.1  | 129.5 | 10,900 | 18.8 | 170.8 | 9,700  | 25.9 | 188.8 | 8,300  | 225 |
| 230 |      |       |        |      |       |        | 13.2 | 153.0 | 9,200  | 22.1 | 177.4 | 7,800  | 230 |
| 234 |      |       |        |      |       |        | 5.5  | 127.5 | 8,700  | 17.6 | 163.8 | 7,400  | 234 |
| 240 |      |       |        |      |       |        |      |       |        | 11.5 | 143.4 | 6,800  | 240 |
| 243 |      |       |        |      |       |        |      |       |        | 4.7  | 121.1 | 6,400  | 243 |



184,600 lb  
+  
44,000 lb



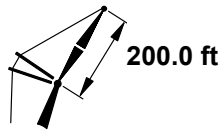
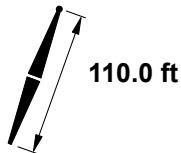
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 61                                                                                   | 75.9                                                                                  | 311.7                                                                                | 46,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 61                                                                                     |
| 65                                                                                   | 74.7                                                                                  | 310.6                                                                                | 45,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 73.2                                                                                  | 309.2                                                                                | 45,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 72                                                                                   | 72.2                                                                                  | 308.5                                                                                | 45,200                                                                               | 73.8                                                                                  | 309.4                                                                                | 51,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 72                                                                                     |
| 75                                                                                   | 71.7                                                                                  | 307.6                                                                                | 45,000                                                                               | 72.9                                                                                  | 308.5                                                                                | 51,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 70.2                                                                                  | 305.8                                                                                | 44,500                                                                               | 71.4                                                                                  | 306.9                                                                                | 51,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 68.7                                                                                  | 303.9                                                                                | 44,100                                                                               | 69.9                                                                                  | 305.1                                                                                | 50,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 87                                                                                   | 67.6                                                                                  | 303.1                                                                                | 43,900                                                                               | 68.6                                                                                  | 304.3                                                                                | 50,700                                                                               | 71.0                                                                                    | 305.8                                                                                  | 49,400                                                                                 | 87                                                                                     |
| 90                                                                                   | 67.1                                                                                  | 301.8                                                                                | 43,600                                                                               | 68.3                                                                                  | 303.1                                                                                | 50,500                                                                               | 70.1                                                                                    | 304.7                                                                                  | 49,300                                                                                 | 90                                                                                     |
| 95                                                                                   | 65.6                                                                                  | 299.6                                                                                | 43,100                                                                               | 66.8                                                                                  | 301.0                                                                                | 48,600                                                                               | 68.5                                                                                    | 302.8                                                                                  | 49,100                                                                                 | 95                                                                                     |
| 100                                                                                  | 64.0                                                                                  | 297.2                                                                                | 42,600                                                                               | 65.2                                                                                  | 298.8                                                                                | 46,500                                                                               | 67.0                                                                                    | 300.7                                                                                  | 47,000                                                                                 | 100                                                                                    |
| 103                                                                                  | 62.4                                                                                  | 295.6                                                                                | 41,400                                                                               | 63.8                                                                                  | 297.3                                                                                | 45,200                                                                               | 65.4                                                                                    | 299.3                                                                                  | 45,200                                                                                 | 103                                                                                    |
| 105                                                                                  | 62.4                                                                                  | 294.6                                                                                | 40,700                                                                               | 63.6                                                                                  | 296.3                                                                                | 44,400                                                                               | 65.4                                                                                    | 298.4                                                                                  | 43,900                                                                                 | 105                                                                                    |
| 110                                                                                  | 60.7                                                                                  | 291.9                                                                                | 38,800                                                                               | 62.0                                                                                  | 293.7                                                                                | 42,600                                                                               | 63.8                                                                                    | 296.0                                                                                  | 41,200                                                                                 | 110                                                                                    |
| 115                                                                                  | 59.1                                                                                  | 288.9                                                                                | 36,800                                                                               | 60.3                                                                                  | 290.9                                                                                | 40,400                                                                               | 62.2                                                                                    | 293.4                                                                                  | 38,700                                                                                 | 115                                                                                    |
| 120                                                                                  | 57.4                                                                                  | 285.8                                                                                | 35,100                                                                               | 58.7                                                                                  | 287.9                                                                                | 38,000                                                                               | 60.6                                                                                    | 290.7                                                                                  | 36,400                                                                                 | 120                                                                                    |
| 125                                                                                  | 55.7                                                                                  | 282.4                                                                                | 33,200                                                                               | 57.0                                                                                  | 284.7                                                                                | 35,900                                                                               | 58.9                                                                                    | 287.7                                                                                  | 34,300                                                                                 | 125                                                                                    |
| 128                                                                                  | 53.8                                                                                  | 280.3                                                                                | 32,200                                                                               | 55.4                                                                                  | 282.7                                                                                | 34,700                                                                               | 57.4                                                                                    | 285.8                                                                                  | 33,100                                                                                 | 128                                                                                    |
| 130                                                                                  | 53.9                                                                                  | 278.9                                                                                | 31,600                                                                               | 55.2                                                                                  | 281.3                                                                                | 33,900                                                                               | 57.2                                                                                    | 284.5                                                                                  | 32,400                                                                                 | 130                                                                                    |
| 135                                                                                  | 52.1                                                                                  | 275.0                                                                                | 30,000                                                                               | 53.5                                                                                  | 277.7                                                                                | 32,100                                                                               | 55.5                                                                                    | 281.2                                                                                  | 30,600                                                                                 | 135                                                                                    |
| 140                                                                                  | 50.2                                                                                  | 271.0                                                                                | 28,400                                                                               | 51.7                                                                                  | 273.8                                                                                | 30,400                                                                               | 53.7                                                                                    | 277.6                                                                                  | 29,000                                                                                 | 140                                                                                    |
| 145                                                                                  | 48.3                                                                                  | 266.6                                                                                | 27,000                                                                               | 49.8                                                                                  | 269.7                                                                                | 28,800                                                                               | 51.9                                                                                    | 273.7                                                                                  | 27,500                                                                                 | 145                                                                                    |
| 150                                                                                  | 46.4                                                                                  | 261.9                                                                                | 25,600                                                                               | 47.9                                                                                  | 265.3                                                                                | 27,400                                                                               | 50.1                                                                                    | 269.6                                                                                  | 26,100                                                                                 | 150                                                                                    |
| 152                                                                                  | 45.2                                                                                  | 259.9                                                                                | 25,100                                                                               | 46.2                                                                                  | 263.4                                                                                | 26,900                                                                               | 49.2                                                                                    | 267.9                                                                                  | 25,600                                                                                 | 152                                                                                    |
| 155                                                                                  | 44.4                                                                                  | 256.9                                                                                | 24,400                                                                               | 45.9                                                                                  | 260.5                                                                                | 26,000                                                                               | 48.2                                                                                    | 265.2                                                                                  | 24,800                                                                                 | 155                                                                                    |
| 160                                                                                  | 42.3                                                                                  | 251.6                                                                                | 23,200                                                                               | 43.9                                                                                  | 255.4                                                                                | 24,800                                                                               | 46.2                                                                                    | 260.6                                                                                  | 23,600                                                                                 | 160                                                                                    |
| 165                                                                                  | 40.1                                                                                  | 245.8                                                                                | 22,100                                                                               | 41.8                                                                                  | 250.0                                                                                | 23,600                                                                               | 44.2                                                                                    | 255.5                                                                                  | 22,400                                                                                 | 165                                                                                    |
| 170                                                                                  | 37.8                                                                                  | 239.5                                                                                | 21,100                                                                               | 39.5                                                                                  | 244.1                                                                                | 22,500                                                                               | 42.1                                                                                    | 250.1                                                                                  | 21,400                                                                                 | 170                                                                                    |
| 175                                                                                  | 35.3                                                                                  | 232.6                                                                                | 20,100                                                                               | 37.2                                                                                  | 237.7                                                                                | 21,500                                                                               | 39.9                                                                                    | 244.3                                                                                  | 20,400                                                                                 | 175                                                                                    |
| 180                                                                                  | 32.8                                                                                  | 225.1                                                                                | 19,300                                                                               | 34.7                                                                                  | 230.7                                                                                | 20,500                                                                               | 37.6                                                                                    | 237.9                                                                                  | 19,400                                                                                 | 180                                                                                    |
| 185                                                                                  | 30.0                                                                                  | 216.8                                                                                | 18,600                                                                               | 32.1                                                                                  | 223.0                                                                                | 19,500                                                                               | 35.1                                                                                    | 231.1                                                                                  | 18,500                                                                                 | 185                                                                                    |
| 190                                                                                  | 26.9                                                                                  | 207.4                                                                                | 17,900                                                                               | 29.3                                                                                  | 214.4                                                                                | 18,700                                                                               | 32.5                                                                                    | 223.5                                                                                  | 17,700                                                                                 | 190                                                                                    |
| 195                                                                                  | 23.5                                                                                  | 196.6                                                                                | 17,100                                                                               | 26.2                                                                                  | 204.8                                                                                | 17,700                                                                               | 29.7                                                                                    | 215.1                                                                                  | 16,800                                                                                 | 195                                                                                    |
| 200                                                                                  | 19.5                                                                                  | 183.7                                                                                | 16,200                                                                               | 22.6                                                                                  | 193.6                                                                                | 16,800                                                                               | 26.6                                                                                    | 205.6                                                                                  | 16,100                                                                                 | 200                                                                                    |
| 210                                                                                  | 6.4                                                                                   | 138.9                                                                                | 12,100                                                                               | 13.1                                                                                  | 161.9                                                                                | 14,800                                                                               | 19.2                                                                                    | 181.5                                                                                  | 14,600                                                                                 | 210                                                                                    |
| 211                                                                                  | 2.1                                                                                   | 124.1                                                                                | 10,800                                                                               | 11.0                                                                                  | 155.6                                                                                | 14,200                                                                               | 17.5                                                                                    | 176.6                                                                                  | 14,500                                                                                 | 211                                                                                    |
| 214                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.9                                                                                   | 136.9                                                                                | 12,400                                                                               | 13.0                                                                                    | 162.1                                                                                  | 13,900                                                                                 | 214                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.0                                                                                     | 133.1                                                                                  | 12,900                                                                                 | 220                                                                                    |
| 226                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 226                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 235                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 244                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 244                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |

# MLC250 S-2

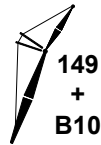
ASME B30.5



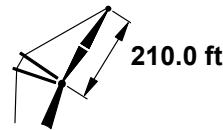
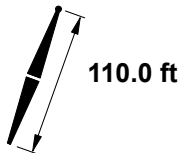
184,600 lb  
+  
44,000 lb

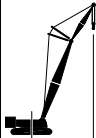
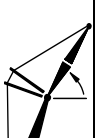
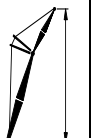
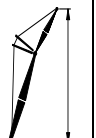
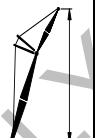
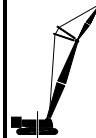


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 87  |      |       |        |      |       |        |      |       |        |      |       |        | 87  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 67.8 | 300.8 | 43,200 |      |       |        |      |       |        |      |       |        | 103 |
| 105 | 67.2 | 300.0 | 42,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 65.6 | 297.8 | 39,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 64.1 | 295.4 | 36,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 62.4 | 292.8 | 34,700 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 60.8 | 290.1 | 32,700 |      |       |        |      |       |        |      |       |        | 125 |
| 128 | 59.4 | 288.3 | 31,600 | 62.9 | 291.3 | 29,100 |      |       |        |      |       |        | 128 |
| 130 | 59.1 | 287.2 | 30,900 | 62.2 | 290.2 | 28,400 |      |       |        |      |       |        | 130 |
| 135 | 57.5 | 284.0 | 29,200 | 60.6 | 287.4 | 26,800 |      |       |        |      |       |        | 135 |
| 140 | 55.7 | 280.7 | 27,600 | 58.9 | 284.5 | 25,300 |      |       |        |      |       |        | 140 |
| 145 | 54.0 | 277.1 | 26,200 | 57.2 | 281.3 | 23,900 |      |       |        |      |       |        | 145 |
| 150 | 52.2 | 273.3 | 24,800 | 55.5 | 277.9 | 22,700 |      |       |        |      |       |        | 150 |
| 152 | 51.2 | 271.7 | 24,300 | 54.2 | 276.5 | 22,200 | 57.9 | 279.6 | 20,100 |      |       |        | 152 |
| 155 | 50.3 | 269.2 | 23,500 | 53.7 | 274.3 | 21,500 | 56.9 | 277.6 | 19,500 |      |       |        | 155 |
| 160 | 48.4 | 264.9 | 22,400 | 51.9 | 270.5 | 20,400 | 55.2 | 274.2 | 18,400 |      |       |        | 160 |
| 165 | 46.5 | 260.2 | 21,300 | 50.1 | 266.4 | 19,400 | 53.4 | 270.6 | 17,500 |      |       |        | 165 |
| 170 | 44.5 | 255.3 | 20,200 | 48.2 | 262.0 | 18,400 | 51.6 | 266.7 | 16,600 |      |       |        | 170 |
| 175 | 42.4 | 249.9 | 19,300 | 46.2 | 257.3 | 17,500 | 49.7 | 262.6 | 15,700 | 53.0 | 265.8 | 14,000 | 175 |
| 180 | 40.2 | 244.1 | 18,300 | 44.2 | 252.3 | 16,600 | 47.8 | 258.1 | 14,900 | 51.2 | 261.9 | 13,200 | 180 |
| 185 | 37.9 | 237.9 | 17,500 | 42.1 | 246.9 | 15,800 | 45.8 | 253.4 | 14,100 | 49.3 | 257.7 | 12,500 | 185 |
| 190 | 35.5 | 231.1 | 16,700 | 39.9 | 241.0 | 15,000 | 43.8 | 248.3 | 13,400 | 47.3 | 253.1 | 11,800 | 190 |
| 195 | 32.9 | 223.6 | 15,900 | 37.6 | 234.7 | 14,300 | 41.7 | 242.8 | 12,700 | 45.4 | 248.3 | 11,200 | 195 |
| 200 | 30.1 | 215.3 | 15,100 | 35.1 | 227.8 | 13,600 | 39.5 | 236.9 | 12,100 | 43.3 | 243.1 | 10,600 | 200 |
| 210 | 23.7 | 195.3 | 13,800 | 29.7 | 211.8 | 12,300 | 34.7 | 223.4 | 10,900 | 38.9 | 231.5 | 9,300  | 210 |
| 211 | 22.1 | 192.3 | 13,600 | 28.4 | 209.8 | 12,200 | 33.5 | 221.8 | 10,800 | 37.6 | 230.1 | 9,200  | 211 |
| 214 | 19.4 | 183.6 | 13,200 | 26.6 | 203.7 | 11,800 | 32.0 | 216.9 | 10,400 | 36.4 | 226.0 | 8,900  | 214 |
| 220 | 14.8 | 166.0 | 12,500 | 23.2 | 191.4 | 11,100 | 29.2 | 207.1 | 9,800  | 34.0 | 217.8 | 8,200  | 220 |
| 226 | 3.6  | 127.5 | 11,700 | 17.6 | 173.2 | 10,400 | 24.8 | 194.5 | 9,100  | 30.4 | 207.7 | 7,600  | 226 |
| 230 |      |       |        | 14.0 | 161.0 | 10,000 | 22.5 | 186.1 | 8,700  | 28.4 | 201.1 | 7,100  | 230 |
| 235 |      |       |        | 5.0  | 129.9 | 9,400  | 18.3 | 172.4 | 8,200  | 25.2 | 191.0 | 6,600  | 235 |
| 240 |      |       |        |      |       |        | 12.9 | 154.1 | 7,700  | 21.6 | 179.2 | 6,100  | 240 |
| 244 |      |       |        |      |       |        | 5.3  | 128.0 | 7,300  | 17.0 | 165.3 | 5,800  | 244 |
| 250 |      |       |        |      |       |        |      |       |        | 11.2 | 144.3 | 5,200  | 250 |



184,600 lb  
+  
44,000 lb

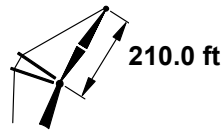
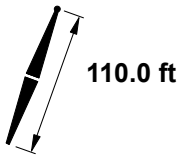


|     |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                    |                                                                                     |                                                                                     |
|-----|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |      |  |  |      |  |  |        |  |  |  |
|     | ft                                                                                    | ft                                                                                | lb                                                                                |                                                                                       | ft                                                                                | lb                                                                                |                                                                                         | ft                                                                                 | lb                                                                                  | ft                                                                                  |
| 64  | 75.8                                                                                  | 321.3                                                                             | 41,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 64                                                                                  |
| 65  | 75.5                                                                                  | 321.0                                                                             | 41,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 65                                                                                  |
| 70  | 74.1                                                                                  | 319.6                                                                             | 41,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 70                                                                                  |
| 74  | 72.4                                                                                  | 318.4                                                                             | 40,900                                                                            | 74.0                                                                                  | 319.3                                                                             | 46,900                                                                            |                                                                                         |                                                                                    |                                                                                     | 74                                                                                  |
| 75  | 72.6                                                                                  | 318.1                                                                             | 40,800                                                                            | 73.7                                                                                  | 319.0                                                                             | 46,800                                                                            |                                                                                         |                                                                                    |                                                                                     | 75                                                                                  |
| 80  | 71.2                                                                                  | 316.4                                                                             | 40,400                                                                            | 72.3                                                                                  | 317.4                                                                             | 46,500                                                                            |                                                                                         |                                                                                    |                                                                                     | 80                                                                                  |
| 85  | 69.8                                                                                  | 314.6                                                                             | 40,100                                                                            | 70.9                                                                                  | 315.7                                                                             | 46,100                                                                            |                                                                                         |                                                                                    |                                                                                     | 85                                                                                  |
| 90  | 68.3                                                                                  | 312.7                                                                             | 39,700                                                                            | 69.4                                                                                  | 313.9                                                                             | 45,700                                                                            |                                                                                         |                                                                                    |                                                                                     | 90                                                                                  |
| 91  | 67.6                                                                                  | 312.2                                                                             | 39,600                                                                            | 68.6                                                                                  | 313.5                                                                             | 45,600                                                                            | 70.8                                                                                    | 315.0                                                                              | 44,500                                                                              | 91                                                                                  |
| 95  | 66.8                                                                                  | 310.6                                                                             | 39,300                                                                            | 67.9                                                                                  | 311.9                                                                             | 45,300                                                                            | 69.6                                                                                    | 313.5                                                                              | 44,300                                                                              | 95                                                                                  |
| 100 | 65.3                                                                                  | 308.3                                                                             | 38,900                                                                            | 66.5                                                                                  | 309.8                                                                             | 44,900                                                                            | 68.2                                                                                    | 311.5                                                                              | 44,000                                                                              | 100                                                                                 |
| 105 | 63.8                                                                                  | 305.9                                                                             | 38,600                                                                            | 65.0                                                                                  | 307.5                                                                             | 43,400                                                                            | 66.7                                                                                    | 309.4                                                                              | 43,600                                                                              | 105                                                                                 |
| 107 | 62.6                                                                                  | 304.8                                                                             | 38,100                                                                            | 63.6                                                                                  | 306.5                                                                             | 42,600                                                                            | 65.6                                                                                    | 308.5                                                                              | 42,400                                                                              | 107                                                                                 |
| 110 | 62.3                                                                                  | 303.3                                                                             | 37,400                                                                            | 63.4                                                                                  | 305.0                                                                             | 41,500                                                                            | 65.2                                                                                    | 307.1                                                                              | 40,800                                                                              | 110                                                                                 |
| 115 | 60.7                                                                                  | 300.5                                                                             | 35,700                                                                            | 61.9                                                                                  | 302.4                                                                             | 39,800                                                                            | 63.7                                                                                    | 304.7                                                                              | 38,300                                                                              | 115                                                                                 |
| 120 | 59.1                                                                                  | 297.6                                                                             | 34,100                                                                            | 60.3                                                                                  | 299.6                                                                             | 37,700                                                                            | 62.1                                                                                    | 302.1                                                                              | 36,000                                                                              | 120                                                                                 |
| 125 | 57.5                                                                                  | 294.5                                                                             | 32,400                                                                            | 58.7                                                                                  | 296.6                                                                             | 35,500                                                                            | 60.6                                                                                    | 299.3                                                                              | 33,900                                                                              | 125                                                                                 |
| 130 | 55.9                                                                                  | 291.1                                                                             | 30,900                                                                            | 57.1                                                                                  | 293.4                                                                             | 33,600                                                                            | 59.0                                                                                    | 296.4                                                                              | 32,000                                                                              | 130                                                                                 |
| 133 | 54.4                                                                                  | 289.0                                                                             | 30,000                                                                            | 55.8                                                                                  | 291.4                                                                             | 32,500                                                                            | 57.4                                                                                    | 294.5                                                                              | 31,000                                                                              | 133                                                                                 |
| 135 | 54.2                                                                                  | 287.6                                                                             | 29,500                                                                            | 55.5                                                                                  | 290.0                                                                             | 31,700                                                                            | 57.4                                                                                    | 293.2                                                                              | 30,300                                                                              | 135                                                                                 |
| 140 | 52.5                                                                                  | 283.8                                                                             | 28,000                                                                            | 53.8                                                                                  | 286.5                                                                             | 30,100                                                                            | 55.7                                                                                    | 289.9                                                                              | 28,600                                                                              | 140                                                                                 |
| 145 | 50.7                                                                                  | 279.8                                                                             | 26,600                                                                            | 52.1                                                                                  | 282.6                                                                             | 28,500                                                                            | 54.0                                                                                    | 286.3                                                                              | 27,100                                                                              | 145                                                                                 |
| 150 | 48.9                                                                                  | 275.5                                                                             | 25,300                                                                            | 50.3                                                                                  | 278.6                                                                             | 27,100                                                                            | 52.3                                                                                    | 282.5                                                                              | 25,700                                                                              | 150                                                                                 |
| 155 | 47.1                                                                                  | 271.0                                                                             | 24,200                                                                            | 48.5                                                                                  | 274.2                                                                             | 25,700                                                                            | 50.6                                                                                    | 278.5                                                                              | 24,400                                                                              | 155                                                                                 |
| 157 | 46.2                                                                                  | 269.0                                                                             | 23,700                                                                            | 47.2                                                                                  | 272.4                                                                             | 25,200                                                                            | 49.2                                                                                    | 276.8                                                                              | 24,000                                                                              | 157                                                                                 |
| 160 | 45.2                                                                                  | 266.1                                                                             | 23,000                                                                            | 46.7                                                                                  | 269.6                                                                             | 24,400                                                                            | 48.8                                                                                    | 274.2                                                                              | 23,200                                                                              | 160                                                                                 |
| 165 | 43.2                                                                                  | 260.9                                                                             | 22,000                                                                            | 44.7                                                                                  | 264.7                                                                             | 23,300                                                                            | 46.9                                                                                    | 269.6                                                                              | 22,100                                                                              | 165                                                                                 |
| 170 | 41.2                                                                                  | 255.3                                                                             | 20,900                                                                            | 42.8                                                                                  | 259.4                                                                             | 22,200                                                                            | 45.0                                                                                    | 264.7                                                                              | 21,000                                                                              | 170                                                                                 |
| 175 | 39.0                                                                                  | 249.3                                                                             | 20,000                                                                            | 40.7                                                                                  | 253.7                                                                             | 21,100                                                                            | 43.0                                                                                    | 259.5                                                                              | 20,000                                                                              | 175                                                                                 |
| 180 | 36.8                                                                                  | 242.8                                                                             | 19,200                                                                            | 38.5                                                                                  | 247.6                                                                             | 20,100                                                                            | 41.0                                                                                    | 253.9                                                                              | 19,100                                                                              | 180                                                                                 |
| 181 | 35.6                                                                                  | 241.4                                                                             | 19,000                                                                            | 37.6                                                                                  | 246.2                                                                             | 20,000                                                                            | 39.6                                                                                    | 252.7                                                                              | 18,900                                                                              | 181                                                                                 |
| 185 | 34.4                                                                                  | 235.8                                                                             | 18,300                                                                            | 36.3                                                                                  | 240.9                                                                             | 19,200                                                                            | 38.9                                                                                    | 247.8                                                                              | 18,200                                                                              | 185                                                                                 |
| 190 | 31.9                                                                                  | 228.0                                                                             | 17,500                                                                            | 33.9                                                                                  | 233.7                                                                             | 18,300                                                                            | 36.6                                                                                    | 241.3                                                                              | 17,300                                                                              | 190                                                                                 |
| 200 | 26.3                                                                                  | 209.8                                                                             | 15,700                                                                            | 28.6                                                                                  | 217.0                                                                             | 16,400                                                                            | 31.7                                                                                    | 226.3                                                                              | 15,800                                                                              | 200                                                                                 |
| 210 | 19.1                                                                                  | 185.4                                                                             | 14,100                                                                            | 22.1                                                                                  | 195.5                                                                             | 14,700                                                                            | 26.0                                                                                    | 207.9                                                                              | 14,300                                                                              | 210                                                                                 |
| 220 | 6.2                                                                                   | 139.4                                                                             | 10,300                                                                            | 12.8                                                                                  | 163.0                                                                             | 12,800                                                                            | 18.7                                                                                    | 183.1                                                                              | 13,000                                                                              | 220                                                                                 |
| 221 | 2.0                                                                                   | 124.2                                                                             | 9,100                                                                             | 10.3                                                                                  | 156.6                                                                             | 12,200                                                                            | 16.6                                                                                    | 178.1                                                                              | 12,800                                                                              | 221                                                                                 |
| 224 |                                                                                       |                                                                                   |                                                                                   | 5.7                                                                                   | 137.4                                                                             | 10,600                                                                            | 12.4                                                                                    | 163.3                                                                              | 12,200                                                                              | 224                                                                                 |
| 230 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.8                                                                                     | 133.5                                                                              | 11,000                                                                              | 230                                                                                 |
| 236 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 236                                                                                 |
| 240 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 240                                                                                 |
| 245 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 245                                                                                 |
| 250 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 250                                                                                 |
| 254 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                    |                                                                                     | 254                                                                                 |





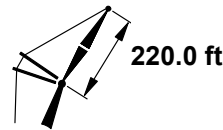
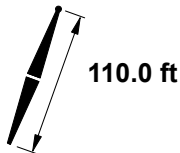
184,600 lb  
+  
44,000 lb

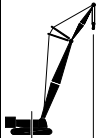
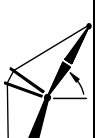
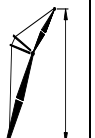
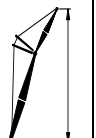
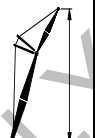
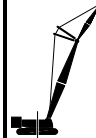


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 91  |      |       |        |      |       |        |      |       |        |      |       |        | 91  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 67.8 | 310.0 | 40,500 |      |       |        |      |       |        |      |       |        | 107 |
| 110 | 66.9 | 308.7 | 39,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 65.4 | 306.5 | 36,500 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 63.9 | 304.1 | 34,300 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 62.3 | 301.5 | 32,300 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 60.8 | 298.7 | 30,500 |      |       |        |      |       |        |      |       |        | 130 |
| 133 | 59.4 | 297.0 | 29,500 | 62.7 | 299.9 | 27,000 |      |       |        |      |       |        | 133 |
| 135 | 59.2 | 295.8 | 28,800 | 62.1 | 298.9 | 26,400 |      |       |        |      |       |        | 135 |
| 140 | 57.6 | 292.7 | 27,200 | 60.6 | 296.1 | 24,900 |      |       |        |      |       |        | 140 |
| 145 | 55.9 | 289.4 | 25,800 | 59.0 | 293.1 | 23,500 |      |       |        |      |       |        | 145 |
| 150 | 54.3 | 285.8 | 24,400 | 57.4 | 290.0 | 22,300 |      |       |        |      |       |        | 150 |
| 155 | 52.6 | 282.1 | 23,200 | 55.7 | 286.6 | 21,100 |      |       |        |      |       |        | 155 |
| 157 | 51.2 | 280.5 | 22,700 | 54.6 | 285.2 | 20,700 | 58.0 | 288.3 | 18,600 |      |       |        | 157 |
| 160 | 50.8 | 278.1 | 22,000 | 54.0 | 283.1 | 20,000 | 57.1 | 286.3 | 18,000 |      |       |        | 160 |
| 165 | 49.0 | 273.8 | 20,900 | 52.3 | 279.3 | 19,000 | 55.4 | 282.9 | 17,100 |      |       |        | 165 |
| 170 | 47.2 | 269.3 | 19,900 | 50.6 | 275.3 | 18,000 | 53.7 | 279.3 | 16,200 |      |       |        | 170 |
| 175 | 45.3 | 264.4 | 18,900 | 48.8 | 271.0 | 17,100 | 52.0 | 275.5 | 15,300 |      |       |        | 175 |
| 180 | 43.3 | 259.2 | 18,000 | 46.9 | 266.4 | 16,200 | 50.3 | 271.4 | 14,500 |      |       |        | 180 |
| 181 | 42.6 | 258.1 | 17,800 | 45.8 | 265.4 | 16,100 | 49.6 | 270.6 | 14,300 | 53.0 | 273.8 | 12,700 | 181 |
| 185 | 41.3 | 253.7 | 17,100 | 45.0 | 261.5 | 15,400 | 48.5 | 267.1 | 13,700 | 51.6 | 270.7 | 12,100 | 185 |
| 190 | 39.1 | 247.7 | 16,300 | 43.0 | 256.2 | 14,600 | 46.6 | 262.4 | 13,000 | 49.8 | 266.5 | 11,400 | 190 |
| 200 | 34.6 | 234.2 | 14,800 | 38.9 | 244.6 | 13,200 | 42.7 | 252.2 | 11,700 | 46.1 | 257.4 | 10,000 | 200 |
| 210 | 29.4 | 217.9 | 13,400 | 34.2 | 230.9 | 11,900 | 38.5 | 240.4 | 10,500 | 42.2 | 247.0 | 8,800  | 210 |
| 220 | 23.1 | 197.3 | 12,200 | 29.0 | 214.4 | 10,800 | 33.8 | 226.5 | 9,400  | 37.9 | 234.9 | 7,600  | 220 |
| 221 | 22.1 | 194.3 | 12,100 | 27.4 | 212.3 | 10,700 | 32.5 | 224.8 | 9,300  | 36.6 | 233.5 | 7,500  | 221 |
| 224 | 19.4 | 185.3 | 11,700 | 25.6 | 206.0 | 10,300 | 31.0 | 219.8 | 8,900  | 35.4 | 229.3 | 7,200  | 224 |
| 230 | 14.5 | 167.3 | 11,000 | 22.6 | 193.4 | 9,700  | 28.4 | 209.7 | 8,300  | 33.2 | 220.8 | 6,600  | 230 |
| 236 | 3.5  | 127.7 | 10,300 | 16.6 | 174.7 | 9,100  | 23.8 | 196.7 | 7,600  | 29.4 | 210.4 | 6,000  | 236 |
| 240 |      |       |        | 13.7 | 162.2 | 8,700  | 22.0 | 188.1 | 7,200  | 27.7 | 203.5 | 5,600  | 240 |
| 245 |      |       |        | 4.9  | 130.3 | 8,200  | 17.9 | 174.0 | 6,700  | 24.6 | 193.2 | 5,200  | 245 |
| 250 |      |       |        |      |       |        | 12.6 | 155.2 | 6,200  |      |       |        | 250 |
| 254 |      |       |        |      |       |        | 5.2  | 128.4 | 5,800  |      |       |        | 254 |



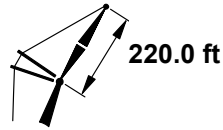
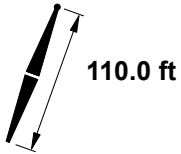
184,600 lb  
+  
44,000 lb



|     |  88° |                                                                                     |                                                                                      |  86° |                                                                                     |                                                                                      |  83° |                                                                                      |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ° |  ft |  lb  |  ° |  ft |  lb    |  ° |  ft |  lb |  ft |
| 66  | 75.9                                                                                  | 331.1                                                                               | 37,800                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 66                                                                                     |
| 70  | 74.8                                                                                  | 330.0                                                                               | 37,500                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 70                                                                                     |
| 75  | 73.5                                                                                  | 328.6                                                                               | 37,100                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 75                                                                                     |
| 77  | 72.6                                                                                  | 327.9                                                                               | 37,000                                                                               | 74.0                                                                                  | 328.8                                                                               | 42,400                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 77                                                                                     |
| 80  | 72.1                                                                                  | 327.0                                                                               | 36,700                                                                               | 73.1                                                                                  | 327.9                                                                               | 42,100                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 80                                                                                     |
| 85  | 70.7                                                                                  | 325.3                                                                               | 36,300                                                                               | 71.8                                                                                  | 326.3                                                                               | 41,800                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 85                                                                                     |
| 90  | 69.3                                                                                  | 323.4                                                                               | 36,000                                                                               | 70.4                                                                                  | 324.6                                                                               | 41,400                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 90                                                                                     |
| 94  | 67.4                                                                                  | 321.8                                                                               | 35,700                                                                               | 68.4                                                                                  | 323.0                                                                               | 41,000                                                                               | 70.9                                                                                    | 324.5                                                                                | 40,100                                                                                 |                                                                                        | 94                                                                                     |
| 95  | 67.9                                                                                  | 321.4                                                                               | 35,600                                                                               | 69.0                                                                                  | 322.7                                                                               | 41,000                                                                               | 70.6                                                                                    | 324.1                                                                                | 40,000                                                                                 |                                                                                        | 95                                                                                     |
| 100 | 66.5                                                                                  | 319.3                                                                               | 35,200                                                                               | 67.6                                                                                  | 320.6                                                                               | 40,600                                                                               | 69.2                                                                                    | 322.3                                                                                | 39,700                                                                                 |                                                                                        | 100                                                                                    |
| 105 | 65.1                                                                                  | 317.0                                                                               | 34,900                                                                               | 66.2                                                                                  | 318.5                                                                               | 40,200                                                                               | 67.8                                                                                    | 320.3                                                                                | 39,500                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 63.6                                                                                  | 314.6                                                                               | 34,500                                                                               | 64.7                                                                                  | 316.2                                                                               | 39,800                                                                               | 66.4                                                                                    | 318.1                                                                                | 39,200                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 62.2                                                                                  | 312.0                                                                               | 34,200                                                                               | 63.3                                                                                  | 313.7                                                                               | 38,600                                                                               | 64.9                                                                                    | 315.8                                                                                | 37,800                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 60.7                                                                                  | 309.2                                                                               | 32,800                                                                               | 61.8                                                                                  | 311.0                                                                               | 37,100                                                                               | 63.5                                                                                    | 313.4                                                                                | 35,600                                                                                 |                                                                                        | 120                                                                                    |
| 125 | 59.2                                                                                  | 306.3                                                                               | 31,400                                                                               | 60.3                                                                                  | 308.2                                                                               | 35,100                                                                               | 62.0                                                                                    | 310.8                                                                                | 33,500                                                                                 |                                                                                        | 125                                                                                    |
| 130 | 57.6                                                                                  | 303.1                                                                               | 30,000                                                                               | 58.8                                                                                  | 305.3                                                                               | 33,100                                                                               | 60.5                                                                                    | 308.0                                                                                | 31,600                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 56.1                                                                                  | 299.8                                                                               | 28,700                                                                               | 57.3                                                                                  | 302.1                                                                               | 31,300                                                                               | 59.0                                                                                    | 305.0                                                                                | 29,800                                                                                 |                                                                                        | 135                                                                                    |
| 137 | 55.2                                                                                  | 298.4                                                                               | 28,200                                                                               | 56.2                                                                                  | 300.8                                                                               | 30,700                                                                               | 58.2                                                                                    | 303.8                                                                                | 29,200                                                                                 |                                                                                        | 137                                                                                    |
| 140 | 54.5                                                                                  | 296.3                                                                               | 27,400                                                                               | 55.7                                                                                  | 298.7                                                                               | 29,600                                                                               | 57.5                                                                                    | 301.9                                                                                | 28,200                                                                                 |                                                                                        | 140                                                                                    |
| 145 | 52.8                                                                                  | 292.6                                                                               | 26,200                                                                               | 54.1                                                                                  | 295.2                                                                               | 28,100                                                                               | 55.9                                                                                    | 298.6                                                                                | 26,700                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 51.2                                                                                  | 288.6                                                                               | 24,900                                                                               | 52.5                                                                                  | 291.4                                                                               | 26,600                                                                               | 54.3                                                                                    | 295.0                                                                                | 25,300                                                                                 |                                                                                        | 150                                                                                    |
| 155 | 49.5                                                                                  | 284.4                                                                               | 23,800                                                                               | 50.8                                                                                  | 287.4                                                                               | 25,300                                                                               | 52.7                                                                                    | 291.3                                                                                | 24,000                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 47.7                                                                                  | 280.0                                                                               | 22,700                                                                               | 49.1                                                                                  | 283.1                                                                               | 24,000                                                                               | 51.0                                                                                    | 287.3                                                                                | 22,800                                                                                 |                                                                                        | 160                                                                                    |
| 163 | 45.8                                                                                  | 277.1                                                                               | 22,100                                                                               | 47.8                                                                                  | 280.4                                                                               | 23,300                                                                               | 49.8                                                                                    | 284.8                                                                                | 22,100                                                                                 |                                                                                        | 163                                                                                    |
| 165 | 45.9                                                                                  | 275.2                                                                               | 21,700                                                                               | 47.3                                                                                  | 278.6                                                                               | 22,900                                                                               | 49.3                                                                                    | 283.1                                                                                | 21,700                                                                                 |                                                                                        | 165                                                                                    |
| 170 | 44.1                                                                                  | 270.2                                                                               | 20,700                                                                               | 45.5                                                                                  | 273.8                                                                               | 21,800                                                                               | 47.6                                                                                    | 278.6                                                                                | 20,600                                                                                 |                                                                                        | 170                                                                                    |
| 175 | 42.2                                                                                  | 264.8                                                                               | 19,800                                                                               | 43.7                                                                                  | 268.7                                                                               | 20,700                                                                               | 45.8                                                                                    | 273.9                                                                                | 19,600                                                                                 |                                                                                        | 175                                                                                    |
| 180 | 40.2                                                                                  | 259.0                                                                               | 19,000                                                                               | 41.7                                                                                  | 263.2                                                                               | 19,700                                                                               | 43.9                                                                                    | 268.8                                                                                | 18,600                                                                                 |                                                                                        | 180                                                                                    |
| 185 | 38.1                                                                                  | 252.8                                                                               | 18,000                                                                               | 39.7                                                                                  | 257.3                                                                               | 18,800                                                                               | 42.0                                                                                    | 263.3                                                                                | 17,700                                                                                 |                                                                                        | 185                                                                                    |
| 187 | 36.8                                                                                  | 250.1                                                                               | 17,600                                                                               | 38.2                                                                                  | 254.8                                                                               | 18,400                                                                               | 41.2                                                                                    | 261.0                                                                                | 17,400                                                                                 |                                                                                        | 187                                                                                    |
| 190 | 35.9                                                                                  | 246.1                                                                               | 17,000                                                                               | 37.6                                                                                  | 251.0                                                                               | 17,700                                                                               | 40.0                                                                                    | 257.5                                                                                | 16,900                                                                                 |                                                                                        | 190                                                                                    |
| 195 | 33.6                                                                                  | 238.8                                                                               | 16,100                                                                               | 35.4                                                                                  | 244.1                                                                               | 16,800                                                                               | 37.9                                                                                    | 251.3                                                                                | 16,100                                                                                 |                                                                                        | 195                                                                                    |
| 200 | 31.2                                                                                  | 230.8                                                                               | 15,200                                                                               | 33.1                                                                                  | 236.7                                                                               | 15,800                                                                               | 35.7                                                                                    | 244.5                                                                                | 15,300                                                                                 |                                                                                        | 200                                                                                    |
| 205 | 28.5                                                                                  | 222.0                                                                               | 14,300                                                                               | 30.6                                                                                  | 228.5                                                                               | 15,000                                                                               | 33.4                                                                                    | 237.1                                                                                | 14,600                                                                                 |                                                                                        | 205                                                                                    |
| 210 | 25.6                                                                                  | 212.0                                                                               | 13,600                                                                               | 27.9                                                                                  | 219.5                                                                               | 14,100                                                                               | 30.9                                                                                    | 229.1                                                                                | 13,900                                                                                 |                                                                                        | 210                                                                                    |
| 220 | 18.6                                                                                  | 187.0                                                                               | 12,100                                                                               | 21.6                                                                                  | 197.4                                                                               | 12,600                                                                               | 25.4                                                                                    | 210.1                                                                                | 12,600                                                                                 |                                                                                        | 220                                                                                    |
| 230 | 6.1                                                                                   | 139.9                                                                               | 8,600                                                                                | 12.5                                                                                  | 164.0                                                                               | 10,900                                                                               | 18.2                                                                                    | 184.7                                                                                | 11,400                                                                                 |                                                                                        | 230                                                                                    |
| 231 | 2.0                                                                                   | 124.4                                                                               | 7,400                                                                                | 10.3                                                                                  | 157.5                                                                               | 10,400                                                                               | 17.0                                                                                    | 181.1                                                                                | 11,300                                                                                 |                                                                                        | 231                                                                                    |
| 234 |                                                                                       |                                                                                     |                                                                                      | 5.6                                                                                   | 137.9                                                                               | 8,900                                                                                | 14.0                                                                                    | 170.2                                                                                | 11,000                                                                                 |                                                                                        | 234                                                                                    |
| 235 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 13.3                                                                                    | 166.6                                                                                | 10,900                                                                                 |                                                                                        | 235                                                                                    |
| 240 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 4.7                                                                                     | 133.9                                                                                | 9,300                                                                                  |                                                                                        | 240                                                                                    |
| 246 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 246                                                                                    |
| 250 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 250                                                                                    |
| 255 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 255                                                                                    |



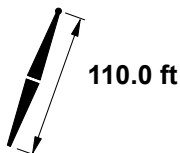
184,600 lb  
+  
44,000 lb



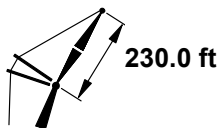
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|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  |      |       |        |      |       |        |      |       |        |      |       |        | 77  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 94  |      |       |        |      |       |        |      |       |        |      |       |        | 94  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 68.0 | 319.6 | 38,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 66.6 | 317.5 | 36,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 65.1 | 315.2 | 33,900 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 63.7 | 312.8 | 31,900 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 62.2 | 310.2 | 30,000 |      |       |        |      |       |        |      |       |        | 130 |
| 135 | 60.7 | 307.4 | 28,300 |      |       |        |      |       |        |      |       |        | 135 |
| 137 | 59.6 | 306.2 | 27,700 | 62.9 | 309.1 | 25,300 |      |       |        |      |       |        | 137 |
| 140 | 59.2 | 304.5 | 26,800 | 62.0 | 307.5 | 24,400 |      |       |        |      |       |        | 140 |
| 145 | 57.7 | 301.4 | 25,300 | 60.5 | 304.8 | 23,000 |      |       |        |      |       |        | 145 |
| 150 | 56.1 | 298.1 | 24,000 | 59.0 | 301.8 | 21,800 |      |       |        |      |       |        | 150 |
| 155 | 54.5 | 294.6 | 22,700 | 57.5 | 298.7 | 20,600 |      |       |        |      |       |        | 155 |
| 160 | 52.9 | 290.9 | 21,600 | 55.9 | 295.3 | 19,500 |      |       |        |      |       |        | 160 |
| 163 | 51.4 | 288.5 | 20,900 | 54.4 | 293.2 | 18,900 | 57.8 | 296.3 | 16,900 |      |       |        | 163 |
| 165 | 51.3 | 286.9 | 20,500 | 54.3 | 291.8 | 18,500 | 57.2 | 295.0 | 16,500 |      |       |        | 165 |
| 170 | 49.6 | 282.7 | 19,400 | 52.7 | 288.1 | 17,500 | 55.6 | 291.6 | 15,600 |      |       |        | 170 |
| 175 | 47.8 | 278.3 | 18,500 | 51.0 | 284.1 | 16,600 | 54.0 | 288.1 | 14,800 |      |       |        | 175 |
| 180 | 46.0 | 273.6 | 17,500 | 49.3 | 279.9 | 15,700 | 52.4 | 284.3 | 14,000 |      |       |        | 180 |
| 185 | 44.2 | 268.5 | 16,700 | 47.6 | 275.4 | 14,900 | 50.7 | 280.3 | 13,200 |      |       |        | 185 |
| 187 | 43.2 | 266.4 | 16,400 | 46.2 | 273.5 | 14,600 | 49.6 | 278.6 | 12,900 | 53.0 | 281.8 | 11,100 | 187 |
| 190 | 42.3 | 263.1 | 15,900 | 45.8 | 270.6 | 14,200 | 49.0 | 276.0 | 12,500 | 52.0 | 279.5 | 10,600 | 190 |
| 195 | 40.3 | 257.4 | 15,100 | 43.9 | 265.5 | 13,400 | 47.3 | 271.5 | 11,800 | 50.3 | 275.4 | 9,900  | 195 |
| 200 | 38.2 | 251.2 | 14,400 | 42.0 | 260.1 | 12,800 | 45.5 | 266.7 | 11,200 | 48.6 | 271.1 | 9,300  | 200 |
| 205 | 36.0 | 244.5 | 13,700 | 40.0 | 254.3 | 12,100 | 43.6 | 261.5 | 10,600 | 46.8 | 266.5 | 8,600  | 205 |
| 210 | 33.7 | 237.2 | 13,000 | 37.9 | 248.0 | 11,500 | 41.6 | 256.0 | 9,900  | 45.0 | 261.6 | 8,000  | 210 |
| 220 | 28.7 | 220.5 | 11,800 | 33.4 | 233.9 | 10,300 | 37.5 | 243.8 | 8,700  | 41.2 | 250.8 | 6,900  | 220 |
| 230 | 22.5 | 199.3 | 10,600 | 28.3 | 216.9 | 9,300  | 33.0 | 229.4 | 7,600  | 37.0 | 238.3 | 5,900  | 230 |
| 231 | 21.2 | 196.6 | 10,500 | 27.4 | 214.9 | 9,200  | 31.6 | 227.8 | 7,500  | 36.4 | 236.9 | 5,800  | 231 |
| 234 | 18.8 | 188.5 | 10,200 | 25.6 | 208.9 | 8,900  | 30.4 | 222.9 | 7,200  | 34.6 | 232.7 | 5,500  | 234 |
| 235 | 18.8 | 185.8 | 10,100 | 25.4 | 206.9 | 8,800  | 30.5 | 221.2 | 7,100  | 34.8 | 231.3 | 5,400  | 235 |
| 240 | 14.1 | 168.5 | 9,600  | 22.1 | 195.3 | 8,300  | 27.8 | 212.1 | 6,600  |      |       |        | 240 |
| 246 | 3.4  | 128.0 | 8,900  | 16.6 | 176.2 | 7,600  | 23.4 | 198.8 | 6,000  |      |       |        | 246 |
| 250 |      |       |        | 13.4 | 163.4 | 7,200  | 21.4 | 190.0 | 5,600  |      |       |        | 250 |
| 255 |      |       |        | 4.7  | 130.7 | 6,700  | 17.5 | 175.5 | 5,100  |      |       |        | 255 |



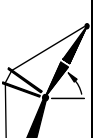
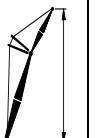
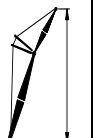
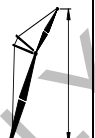
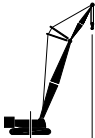
184,600 lb  
+  
44,000 lb



110.0 ft



230.0 ft

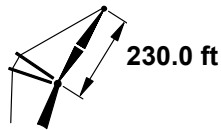
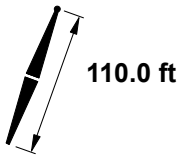
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
|  |      |  |  |      |  |  |       |  |  |     |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft  |
| 68                                                                                | 76.0                                                                                  | 340.9                                                                             | 35,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 68  |
| 70                                                                                | 75.5                                                                                  | 340.4                                                                             | 34,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70  |
| 75                                                                                | 74.2                                                                                  | 339.0                                                                             | 34,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75  |
| 80                                                                                | 72.9                                                                                  | 337.5                                                                             | 34,200                                                                            | 73.9                                                                                  | 338.4                                                                             | 39,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 80  |
| 85                                                                                | 71.6                                                                                  | 335.8                                                                             | 33,900                                                                            | 72.6                                                                                  | 336.8                                                                             | 39,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 85  |
| 90                                                                                | 70.3                                                                                  | 334.1                                                                             | 33,500                                                                            | 71.3                                                                                  | 335.2                                                                             | 38,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 90  |
| 95                                                                                | 68.9                                                                                  | 332.2                                                                             | 33,200                                                                            | 70.0                                                                                  | 333.4                                                                             | 38,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 95  |
| 97                                                                                | 67.6                                                                                  | 331.4                                                                             | 33,100                                                                            | 68.6                                                                                  | 332.6                                                                             | 38,300                                                                            | 70.9                                                                                    | 334.1                                                                               | 37,700                                                                              | 97  |
| 100                                                                               | 67.6                                                                                  | 330.2                                                                             | 32,900                                                                            | 68.6                                                                                  | 331.5                                                                             | 38,100                                                                            | 70.1                                                                                    | 333.0                                                                               | 37,500                                                                              | 100 |
| 105                                                                               | 66.2                                                                                  | 328.0                                                                             | 32,500                                                                            | 67.3                                                                                  | 329.4                                                                             | 37,700                                                                            | 68.8                                                                                    | 331.1                                                                               | 37,300                                                                              | 105 |
| 110                                                                               | 64.9                                                                                  | 325.7                                                                             | 32,200                                                                            | 65.9                                                                                  | 327.2                                                                             | 37,400                                                                            | 67.5                                                                                    | 329.0                                                                               | 37,100                                                                              | 110 |
| 114                                                                               | 63.2                                                                                  | 323.7                                                                             | 31,900                                                                            | 64.2                                                                                  | 325.3                                                                             | 37,100                                                                            | 66.2                                                                                    | 327.3                                                                               | 36,900                                                                              | 114 |
| 115                                                                               | 63.5                                                                                  | 323.2                                                                             | 31,900                                                                            | 64.5                                                                                  | 324.8                                                                             | 37,100                                                                            | 66.1                                                                                    | 326.8                                                                               | 36,800                                                                              | 115 |
| 120                                                                               | 62.1                                                                                  | 320.6                                                                             | 31,100                                                                            | 63.1                                                                                  | 322.4                                                                             | 36,000                                                                            | 64.7                                                                                    | 324.5                                                                               | 35,200                                                                              | 120 |
| 125                                                                               | 60.6                                                                                  | 317.9                                                                             | 29,800                                                                            | 61.7                                                                                  | 319.7                                                                             | 34,600                                                                            | 63.3                                                                                    | 322.1                                                                               | 33,200                                                                              | 125 |
| 130                                                                               | 59.2                                                                                  | 314.9                                                                             | 28,600                                                                            | 60.3                                                                                  | 316.9                                                                             | 32,800                                                                            | 61.9                                                                                    | 319.4                                                                               | 31,300                                                                              | 130 |
| 135                                                                               | 57.7                                                                                  | 311.8                                                                             | 27,300                                                                            | 58.9                                                                                  | 313.9                                                                             | 31,000                                                                            | 60.5                                                                                    | 316.7                                                                               | 29,500                                                                              | 135 |
| 140                                                                               | 56.2                                                                                  | 308.5                                                                             | 26,200                                                                            | 57.4                                                                                  | 310.8                                                                             | 29,300                                                                            | 59.1                                                                                    | 313.7                                                                               | 27,900                                                                              | 140 |
| 142                                                                               | 55.2                                                                                  | 307.1                                                                             | 25,700                                                                            | 56.2                                                                                  | 309.4                                                                             | 28,700                                                                            | 58.2                                                                                    | 312.4                                                                               | 27,300                                                                              | 142 |
| 145                                                                               | 54.7                                                                                  | 305.0                                                                             | 25,000                                                                            | 55.9                                                                                  | 307.4                                                                             | 27,800                                                                            | 57.6                                                                                    | 310.6                                                                               | 26,400                                                                              | 145 |
| 150                                                                               | 53.2                                                                                  | 301.4                                                                             | 24,000                                                                            | 54.4                                                                                  | 303.9                                                                             | 26,300                                                                            | 56.1                                                                                    | 307.3                                                                               | 25,000                                                                              | 150 |
| 155                                                                               | 51.6                                                                                  | 297.5                                                                             | 23,000                                                                            | 52.8                                                                                  | 300.2                                                                             | 25,000                                                                            | 54.6                                                                                    | 303.8                                                                               | 23,700                                                                              | 155 |
| 160                                                                               | 50.0                                                                                  | 293.3                                                                             | 22,000                                                                            | 51.2                                                                                  | 296.2                                                                             | 23,700                                                                            | 53.0                                                                                    | 300.1                                                                               | 22,500                                                                              | 160 |
| 165                                                                               | 48.3                                                                                  | 289.0                                                                             | 21,000                                                                            | 49.6                                                                                  | 292.1                                                                             | 22,600                                                                            | 51.5                                                                                    | 296.2                                                                               | 21,400                                                                              | 165 |
| 168                                                                               | 46.8                                                                                  | 286.2                                                                             | 20,500                                                                            | 47.8                                                                                  | 289.4                                                                             | 21,900                                                                            | 49.8                                                                                    | 293.7                                                                               | 20,700                                                                              | 168 |
| 170                                                                               | 46.6                                                                                  | 284.3                                                                             | 20,100                                                                            | 47.9                                                                                  | 287.6                                                                             | 21,500                                                                            | 49.8                                                                                    | 292.0                                                                               | 20,300                                                                              | 170 |
| 175                                                                               | 44.9                                                                                  | 279.4                                                                             | 19,300                                                                            | 46.2                                                                                  | 282.9                                                                             | 20,400                                                                            | 48.2                                                                                    | 287.6                                                                               | 19,300                                                                              | 175 |
| 180                                                                               | 43.1                                                                                  | 274.2                                                                             | 18,500                                                                            | 44.5                                                                                  | 277.9                                                                             | 19,400                                                                            | 46.5                                                                                    | 282.9                                                                               | 18,300                                                                              | 180 |
| 185                                                                               | 41.2                                                                                  | 268.6                                                                             | 17,600                                                                            | 42.6                                                                                  | 272.6                                                                             | 18,400                                                                            | 44.7                                                                                    | 278.0                                                                               | 17,500                                                                              | 185 |
| 190                                                                               | 39.3                                                                                  | 262.6                                                                             | 16,600                                                                            | 40.8                                                                                  | 266.9                                                                             | 17,300                                                                            | 42.9                                                                                    | 272.7                                                                               | 16,600                                                                              | 190 |
| 193                                                                               | 37.8                                                                                  | 258.7                                                                             | 16,000                                                                            | 38.8                                                                                  | 263.3                                                                             | 16,800                                                                            | 41.4                                                                                    | 269.3                                                                               | 16,100                                                                              | 193 |
| 195                                                                               | 37.2                                                                                  | 256.2                                                                             | 15,700                                                                            | 38.8                                                                                  | 260.8                                                                             | 16,400                                                                            | 41.0                                                                                    | 267.1                                                                               | 15,800                                                                              | 195 |
| 200                                                                               | 35.1                                                                                  | 249.2                                                                             | 14,800                                                                            | 36.7                                                                                  | 254.3                                                                             | 15,400                                                                            | 39.1                                                                                    | 261.1                                                                               | 15,100                                                                              | 200 |
| 205                                                                               | 32.9                                                                                  | 241.7                                                                             | 14,000                                                                            | 34.6                                                                                  | 247.3                                                                             | 14,600                                                                            | 37.0                                                                                    | 254.6                                                                               | 14,300                                                                              | 205 |
| 210                                                                               | 30.5                                                                                  | 233.5                                                                             | 13,200                                                                            | 32.3                                                                                  | 239.6                                                                             | 13,800                                                                            | 34.9                                                                                    | 247.6                                                                               | 13,700                                                                              | 210 |
| 220                                                                               | 25.1                                                                                  | 214.3                                                                             | 11,700                                                                            | 27.2                                                                                  | 221.9                                                                             | 12,200                                                                            | 30.2                                                                                    | 231.8                                                                               | 12,400                                                                              | 220 |
| 230                                                                               | 18.2                                                                                  | 188.6                                                                             | 10,400                                                                            | 21.1                                                                                  | 199.3                                                                             | 10,800                                                                            | 24.8                                                                                    | 212.3                                                                               | 11,200                                                                              | 230 |
| 240                                                                               | 5.9                                                                                   | 140.4                                                                             | 7,000                                                                             | 12.2                                                                                  | 165.1                                                                             | 9,200                                                                             | 17.8                                                                                    | 186.2                                                                               | 10,100                                                                              | 240 |
| 241                                                                               | 1.9                                                                                   | 124.5                                                                             | 6,000                                                                             | 10.3                                                                                  | 158.4                                                                             | 8,700                                                                             | 15.7                                                                                    | 181.0                                                                               | 9,900                                                                               | 241 |
| 244                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.5                                                                                   | 138.3                                                                             | 7,300                                                                             | 11.8                                                                                    | 165.5                                                                               | 9,200                                                                               | 244 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.6                                                                                     | 134.3                                                                               | 7,700                                                                               | 250 |
| 256                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 256 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 260 |
| 265                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 265 |

# MLC250 S-2

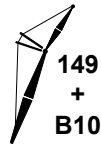
ASME B30.5



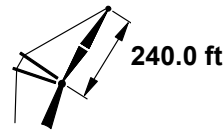
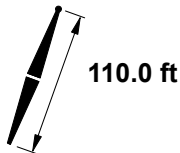
184,600 lb  
+  
44,000 lb

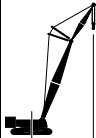
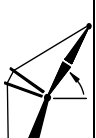
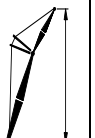
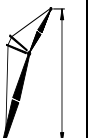


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 68  |      |       |        |      |       |        |      |       |        |      |       |       | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 97  |      |       |        |      |       |        |      |       |        |      |       |       | 97  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |       | 110 |
| 114 | 67.9 | 328.8 | 36,200 |      |       |        |      |       |        |      |       |       | 114 |
| 115 | 67.6 | 328.3 | 35,700 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 66.3 | 326.2 | 33,500 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 64.9 | 323.9 | 31,500 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 63.5 | 321.4 | 29,700 |      |       |        |      |       |        |      |       |       | 130 |
| 135 | 62.1 | 318.8 | 28,000 |      |       |        |      |       |        |      |       |       | 135 |
| 140 | 60.7 | 316.1 | 26,400 |      |       |        |      |       |        |      |       |       | 140 |
| 142 | 59.6 | 314.9 | 25,900 | 62.8 | 317.8 | 23,500 |      |       |        |      |       |       | 142 |
| 145 | 59.3 | 313.1 | 25,000 | 61.9 | 316.2 | 22,700 |      |       |        |      |       |       | 145 |
| 150 | 57.8 | 310.0 | 23,700 | 60.5 | 313.4 | 21,500 |      |       |        |      |       |       | 150 |
| 155 | 56.3 | 306.8 | 22,400 | 59.1 | 310.5 | 20,300 |      |       |        |      |       |       | 155 |
| 160 | 54.8 | 303.3 | 21,200 | 57.6 | 307.3 | 19,200 |      |       |        |      |       |       | 160 |
| 165 | 53.2 | 299.6 | 20,100 | 56.1 | 304.0 | 18,200 |      |       |        |      |       |       | 165 |
| 168 | 51.8 | 297.3 | 19,500 | 54.8 | 301.9 | 17,600 | 57.9 | 305.0 | 15,700 |      |       |       | 168 |
| 170 | 51.7 | 295.7 | 19,100 | 54.6 | 300.5 | 17,200 | 57.3 | 303.7 | 15,300 |      |       |       | 170 |
| 175 | 50.1 | 291.6 | 18,200 | 53.0 | 296.8 | 16,300 | 55.8 | 300.3 | 14,500 |      |       |       | 175 |
| 180 | 48.4 | 287.2 | 17,200 | 51.5 | 292.9 | 15,400 | 54.3 | 296.8 | 13,700 |      |       |       | 180 |
| 185 | 46.7 | 282.6 | 16,400 | 49.8 | 288.8 | 14,600 | 52.7 | 293.1 | 12,900 |      |       |       | 185 |
| 190 | 45.0 | 277.7 | 15,600 | 48.2 | 284.4 | 13,900 | 51.2 | 289.1 | 12,200 |      |       |       | 190 |
| 193 | 43.4 | 274.6 | 15,100 | 46.8 | 281.6 | 13,400 | 49.8 | 286.6 | 11,800 | 53.0 | 289.8 | 9,700 | 193 |
| 195 | 43.2 | 272.5 | 14,800 | 46.5 | 279.7 | 13,100 | 49.5 | 284.9 | 11,500 | 52.4 | 288.3 | 9,500 | 195 |
| 200 | 41.3 | 266.9 | 14,100 | 44.7 | 274.8 | 12,500 | 47.9 | 280.5 | 10,800 | 50.8 | 284.3 | 8,800 | 200 |
| 205 | 39.4 | 260.9 | 13,400 | 42.9 | 269.5 | 11,800 | 46.2 | 275.8 | 10,100 | 49.1 | 280.0 | 8,200 | 205 |
| 210 | 37.3 | 254.6 | 12,700 | 41.0 | 263.9 | 11,200 | 44.4 | 270.8 | 9,500  | 47.5 | 275.5 | 7,600 | 210 |
| 220 | 33.0 | 240.2 | 11,500 | 37.0 | 251.4 | 10,000 | 40.7 | 259.7 | 8,300  | 44.0 | 265.6 | 6,500 | 220 |
| 230 | 28.0 | 223.0 | 10,400 | 32.7 | 236.8 | 9,000  | 36.7 | 247.1 | 7,200  | 40.2 | 254.4 | 5,400 | 230 |
| 240 | 22.0 | 201.2 | 9,300  | 27.6 | 219.4 | 7,900  | 32.2 | 232.3 | 6,200  |      |       |       | 240 |
| 241 | 21.1 | 198.1 | 9,200  | 26.4 | 217.2 | 7,800  | 31.5 | 230.6 | 6,100  |      |       |       | 241 |
| 244 | 18.4 | 188.6 | 8,900  | 24.6 | 210.5 | 7,500  | 30.0 | 225.2 | 5,800  |      |       |       | 244 |
| 250 | 13.8 | 169.7 | 8,300  | 21.6 | 197.2 | 6,800  | 27.1 | 214.6 | 5,200  |      |       |       | 250 |
| 256 | 3.4  | 128.3 | 7,700  | 16.2 | 177.6 | 6,300  |      |       |        |      |       |       | 256 |
| 260 |      |       |        | 13.0 | 164.5 | 5,900  |      |       |        |      |       |       | 260 |
| 265 |      |       |        | 4.6  | 131.1 | 5,400  |      |       |        |      |       |       | 265 |



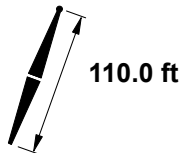
184,600 lb  
+  
44,000 lb



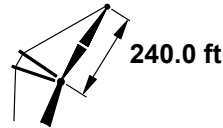
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 71                                                                                   | 75.9                                                                                  | 350.4                                                                                | 31,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 71                                                                                     |
| 75                                                                                   | 74.9                                                                                  | 349.4                                                                                | 31,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 73.6                                                                                  | 347.9                                                                                | 31,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 83                                                                                   | 72.4                                                                                  | 347.0                                                                                | 30,900                                                                               | 73.8                                                                                  | 347.9                                                                                | 35,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 83                                                                                     |
| 85                                                                                   | 72.4                                                                                  | 346.4                                                                                | 30,800                                                                               | 73.3                                                                                  | 347.3                                                                                | 35,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 71.1                                                                                  | 344.7                                                                                | 30,500                                                                               | 72.1                                                                                  | 345.7                                                                                | 35,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 95                                                                                   | 69.8                                                                                  | 342.9                                                                                | 30,100                                                                               | 70.8                                                                                  | 344.0                                                                                | 34,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 100                                                                                  | 68.6                                                                                  | 341.0                                                                                | 29,800                                                                               | 69.6                                                                                  | 342.2                                                                                | 34,500                                                                               | 71.0                                                                                    | 343.6                                                                                  | 33,900                                                                                 | 100                                                                                    |
| 105                                                                                  | 67.3                                                                                  | 338.9                                                                                | 29,500                                                                               | 68.3                                                                                  | 340.2                                                                                | 34,200                                                                               | 69.7                                                                                    | 341.8                                                                                  | 33,700                                                                                 | 105                                                                                    |
| 110                                                                                  | 66.0                                                                                  | 336.7                                                                                | 29,200                                                                               | 67.0                                                                                  | 338.1                                                                                | 33,800                                                                               | 68.5                                                                                    | 339.8                                                                                  | 33,400                                                                                 | 110                                                                                    |
| 115                                                                                  | 64.7                                                                                  | 334.4                                                                                | 28,900                                                                               | 65.7                                                                                  | 335.9                                                                                | 33,500                                                                               | 67.2                                                                                    | 337.8                                                                                  | 33,200                                                                                 | 115                                                                                    |
| 118                                                                                  | 63.4                                                                                  | 332.9                                                                                | 28,700                                                                               | 64.4                                                                                  | 334.5                                                                                | 33,300                                                                               | 65.8                                                                                    | 336.4                                                                                  | 33,000                                                                                 | 118                                                                                    |
| 120                                                                                  | 63.3                                                                                  | 331.9                                                                                | 28,600                                                                               | 64.3                                                                                  | 333.5                                                                                | 33,200                                                                               | 65.9                                                                                    | 335.6                                                                                  | 32,900                                                                                 | 120                                                                                    |
| 125                                                                                  | 62.0                                                                                  | 329.3                                                                                | 28,300                                                                               | 63.0                                                                                  | 331.0                                                                                | 32,900                                                                               | 64.5                                                                                    | 333.2                                                                                  | 32,700                                                                                 | 125                                                                                    |
| 130                                                                                  | 60.6                                                                                  | 326.5                                                                                | 27,500                                                                               | 61.7                                                                                  | 328.4                                                                                | 32,000                                                                               | 63.2                                                                                    | 330.7                                                                                  | 30,800                                                                                 | 130                                                                                    |
| 135                                                                                  | 59.2                                                                                  | 323.6                                                                                | 26,400                                                                               | 60.3                                                                                  | 325.6                                                                                | 30,600                                                                               | 61.9                                                                                    | 328.1                                                                                  | 29,100                                                                                 | 135                                                                                    |
| 140                                                                                  | 57.8                                                                                  | 320.5                                                                                | 25,300                                                                               | 58.9                                                                                  | 322.6                                                                                | 28,900                                                                               | 60.5                                                                                    | 325.3                                                                                  | 27,500                                                                                 | 140                                                                                    |
| 145                                                                                  | 56.4                                                                                  | 317.2                                                                                | 24,300                                                                               | 57.5                                                                                  | 319.5                                                                                | 27,400                                                                               | 59.1                                                                                    | 322.4                                                                                  | 26,000                                                                                 | 145                                                                                    |
| 146                                                                                  | 55.6                                                                                  | 316.5                                                                                | 24,100                                                                               | 56.8                                                                                  | 318.8                                                                                | 27,100                                                                               | 58.6                                                                                    | 321.7                                                                                  | 25,700                                                                                 | 146                                                                                    |
| 150                                                                                  | 54.9                                                                                  | 313.8                                                                                | 23,400                                                                               | 56.1                                                                                  | 316.1                                                                                | 25,900                                                                               | 57.7                                                                                    | 319.2                                                                                  | 24,600                                                                                 | 150                                                                                    |
| 155                                                                                  | 53.5                                                                                  | 310.1                                                                                | 22,400                                                                               | 54.6                                                                                  | 312.6                                                                                | 24,600                                                                               | 56.3                                                                                    | 316.0                                                                                  | 23,300                                                                                 | 155                                                                                    |
| 160                                                                                  | 52.0                                                                                  | 306.3                                                                                | 21,500                                                                               | 53.1                                                                                  | 309.0                                                                                | 23,300                                                                               | 54.8                                                                                    | 312.5                                                                                  | 22,100                                                                                 | 160                                                                                    |
| 165                                                                                  | 50.4                                                                                  | 302.2                                                                                | 20,600                                                                               | 51.6                                                                                  | 305.1                                                                                | 22,200                                                                               | 53.3                                                                                    | 308.8                                                                                  | 20,900                                                                                 | 165                                                                                    |
| 170                                                                                  | 48.9                                                                                  | 297.9                                                                                | 19,700                                                                               | 50.1                                                                                  | 300.9                                                                                | 21,100                                                                               | 51.8                                                                                    | 305.0                                                                                  | 19,900                                                                                 | 170                                                                                    |
| 173                                                                                  | 47.4                                                                                  | 295.2                                                                                | 19,200                                                                               | 48.8                                                                                  | 298.3                                                                                | 20,400                                                                               | 50.4                                                                                    | 302.5                                                                                  | 19,300                                                                                 | 173                                                                                    |
| 175                                                                                  | 47.2                                                                                  | 293.4                                                                                | 18,900                                                                               | 48.5                                                                                  | 296.6                                                                                | 20,000                                                                               | 50.3                                                                                    | 300.9                                                                                  | 18,900                                                                                 | 175                                                                                    |
| 180                                                                                  | 45.6                                                                                  | 288.5                                                                                | 18,100                                                                               | 46.9                                                                                  | 292.0                                                                                | 19,000                                                                               | 48.7                                                                                    | 296.6                                                                                  | 17,900                                                                                 | 180                                                                                    |
| 185                                                                                  | 43.9                                                                                  | 283.4                                                                                | 17,100                                                                               | 45.2                                                                                  | 287.1                                                                                | 17,900                                                                               | 47.1                                                                                    | 292.0                                                                                  | 17,000                                                                                 | 185                                                                                    |
| 190                                                                                  | 42.1                                                                                  | 278.0                                                                                | 16,100                                                                               | 43.5                                                                                  | 281.9                                                                                | 16,800                                                                               | 45.4                                                                                    | 287.1                                                                                  | 16,200                                                                                 | 190                                                                                    |
| 195                                                                                  | 40.3                                                                                  | 272.2                                                                                | 15,100                                                                               | 41.7                                                                                  | 276.4                                                                                | 15,900                                                                               | 43.7                                                                                    | 282.0                                                                                  | 15,400                                                                                 | 195                                                                                    |
| 200                                                                                  | 38.4                                                                                  | 266.1                                                                                | 14,300                                                                               | 39.9                                                                                  | 270.6                                                                                | 14,900                                                                               | 42.0                                                                                    | 276.6                                                                                  | 14,600                                                                                 | 200                                                                                    |
| 205                                                                                  | 36.4                                                                                  | 259.5                                                                                | 13,400                                                                               | 37.9                                                                                  | 264.3                                                                                | 14,100                                                                               | 40.1                                                                                    | 270.8                                                                                  | 13,900                                                                                 | 205                                                                                    |
| 210                                                                                  | 34.3                                                                                  | 252.3                                                                                | 12,600                                                                               | 35.9                                                                                  | 257.6                                                                                | 13,200                                                                               | 38.2                                                                                    | 264.6                                                                                  | 13,200                                                                                 | 210                                                                                    |
| 215                                                                                  | 32.1                                                                                  | 244.6                                                                                | 11,900                                                                               | 33.8                                                                                  | 250.3                                                                                | 12,400                                                                               | 36.2                                                                                    | 257.9                                                                                  | 12,600                                                                                 | 215                                                                                    |
| 220                                                                                  | 29.8                                                                                  | 236.2                                                                                | 11,200                                                                               | 31.6                                                                                  | 242.4                                                                                | 11,700                                                                               | 34.1                                                                                    | 250.7                                                                                  | 12,000                                                                                 | 220                                                                                    |
| 225                                                                                  | 27.3                                                                                  | 226.9                                                                                | 10,500                                                                               | 29.2                                                                                  | 233.8                                                                                | 11,000                                                                               | 31.9                                                                                    | 242.9                                                                                  | 11,400                                                                                 | 225                                                                                    |
| 230                                                                                  | 24.5                                                                                  | 216.4                                                                                | 9,800                                                                                | 26.7                                                                                  | 224.3                                                                                | 10,300                                                                               | 29.6                                                                                    | 234.4                                                                                  | 10,800                                                                                 | 230                                                                                    |
| 235                                                                                  | 21.4                                                                                  | 204.4                                                                                | 9,200                                                                                | 23.8                                                                                  | 213.5                                                                                | 9,700                                                                                | 27.0                                                                                    | 225.0                                                                                  | 10,300                                                                                 | 235                                                                                    |
| 240                                                                                  | 17.8                                                                                  | 190.2                                                                                | 8,600                                                                                | 20.6                                                                                  | 201.1                                                                                | 9,100                                                                                | 24.3                                                                                    | 214.5                                                                                  | 9,700                                                                                  | 240                                                                                    |
| 245                                                                                  | 13.2                                                                                  | 171.8                                                                                | 7,500                                                                                | 16.8                                                                                  | 186.1                                                                                | 8,500                                                                                | 21.1                                                                                    | 202.3                                                                                  | 9,100                                                                                  | 245                                                                                    |
| 250                                                                                  | 5.8                                                                                   | 140.9                                                                                | 5,500                                                                                | 11.9                                                                                  | 166.1                                                                                | 7,500                                                                                | 17.4                                                                                    | 187.8                                                                                  | 8,500                                                                                  | 250                                                                                    |
| 254                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.3                                                                                   | 138.8                                                                                | 5,800                                                                                | 11.8                                                                                    | 166.5                                                                                  | 7,600                                                                                  | 254                                                                                    |
| 260                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.5                                                                                     | 134.6                                                                                  | 6,200                                                                                  | 260                                                                                    |
| 266                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 266                                                                                    |



184,600 lb  
+  
44,000 lb

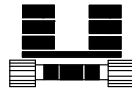
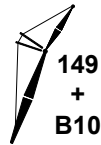


110.0 ft

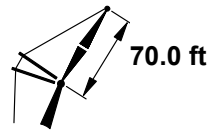
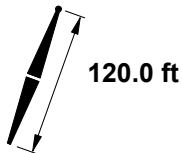


240.0 ft

|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 71  |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 83  |      |       |        |      |       |        |      |       |        | 83  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        |      |       |        | 115 |
| 118 | 67.9 | 337.9 | 33,900 |      |       |        |      |       |        | 118 |
| 120 | 67.3 | 337.1 | 33,100 |      |       |        |      |       |        | 120 |
| 125 | 66.0 | 334.9 | 31,100 |      |       |        |      |       |        | 125 |
| 130 | 64.7 | 332.6 | 29,200 |      |       |        |      |       |        | 130 |
| 135 | 63.4 | 330.1 | 27,600 |      |       |        |      |       |        | 135 |
| 140 | 62.0 | 327.5 | 26,000 |      |       |        |      |       |        | 140 |
| 145 | 60.7 | 324.7 | 24,500 |      |       |        |      |       |        | 145 |
| 146 | 59.8 | 324.1 | 24,300 | 62.9 | 327.0 | 22,000 |      |       |        | 146 |
| 150 | 59.3 | 321.8 | 23,200 | 61.9 | 324.9 | 21,000 |      |       |        | 150 |
| 155 | 57.9 | 318.7 | 22,000 | 60.5 | 322.1 | 19,800 |      |       |        | 155 |
| 160 | 56.5 | 315.5 | 20,800 | 59.1 | 319.1 | 18,700 |      |       |        | 160 |
| 165 | 55.0 | 312.0 | 19,700 | 57.7 | 316.0 | 17,700 |      |       |        | 165 |
| 170 | 53.5 | 308.4 | 18,700 | 56.3 | 312.7 | 16,700 |      |       |        | 170 |
| 173 | 52.4 | 306.1 | 18,100 | 54.8 | 310.6 | 16,200 | 58.0 | 313.6 | 14,300 | 173 |
| 175 | 52.0 | 304.5 | 17,700 | 54.8 | 309.3 | 15,800 | 57.4 | 312.4 | 14,000 | 175 |
| 180 | 50.5 | 300.5 | 16,800 | 53.3 | 305.6 | 15,000 | 56.0 | 309.0 | 13,200 | 180 |
| 185 | 48.9 | 296.2 | 16,000 | 51.8 | 301.7 | 14,200 | 54.6 | 305.5 | 12,300 | 185 |
| 190 | 47.3 | 291.7 | 15,100 | 50.3 | 297.6 | 13,400 | 53.1 | 301.8 | 11,500 | 190 |
| 195 | 45.7 | 286.9 | 14,400 | 48.7 | 293.3 | 12,700 | 51.6 | 297.9 | 10,800 | 195 |
| 200 | 44.0 | 281.8 | 13,600 | 47.1 | 288.8 | 12,000 | 50.0 | 293.8 | 10,100 | 200 |
| 205 | 42.2 | 276.4 | 13,000 | 45.4 | 283.9 | 11,400 | 48.4 | 289.4 | 9,400  | 205 |
| 210 | 40.4 | 270.6 | 12,300 | 43.7 | 278.8 | 10,700 | 46.8 | 284.8 | 8,800  | 210 |
| 215 | 38.5 | 264.5 | 11,700 | 42.0 | 273.3 | 10,100 | 45.1 | 279.9 | 8,200  | 215 |
| 220 | 36.5 | 257.9 | 11,100 | 40.1 | 267.5 | 9,500  | 43.4 | 274.7 | 7,600  | 220 |
| 225 | 34.4 | 250.8 | 10,500 | 38.2 | 261.3 | 8,900  | 41.6 | 269.2 | 7,000  | 225 |
| 230 | 32.2 | 243.1 | 10,000 | 36.2 | 254.7 | 8,300  | 39.8 | 263.4 | 6,500  | 230 |
| 235 | 29.9 | 234.7 | 9,400  | 34.1 | 247.5 | 7,800  | 37.9 | 257.1 | 6,000  | 235 |
| 240 | 27.4 | 225.4 | 8,900  | 31.9 | 239.7 | 7,200  | 35.9 | 250.3 | 5,500  | 240 |
| 245 | 24.6 | 215.0 | 8,400  | 29.6 | 231.2 | 6,700  |      |       |        | 245 |
| 250 | 21.6 | 203.1 | 7,900  | 27.0 | 221.8 | 6,200  |      |       |        | 250 |
| 254 | 17.8 | 190.2 | 7,500  | 24.6 | 212.7 | 5,900  |      |       |        | 254 |
| 260 | 13.5 | 170.8 | 6,900  | 21.1 | 199.1 | 5,300  |      |       |        | 260 |
| 266 | 3.3  | 128.5 | 6,300  |      |       |        |      |       |        | 266 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | °    | ft    | lb        | °    | ft    | lb        | °    | ft    | lb        | ft  |
| 32  | 74.0 | 195.0 | 150,700 d |      |       |           |      |       |           | 32  |
| 34  | 72.3 | 194.3 | 145,400 d |      |       |           |      |       |           | 34  |
| 36  | 70.5 | 193.6 | 140,300 d |      |       |           |      |       |           | 36  |
| 37  | 69.0 | 193.2 | 137,900 d | 73.3 | 194.4 | 147,100 d |      |       |           | 37  |
| 38  | 68.8 | 192.8 | 135,500 d | 72.4 | 194.1 | 144,600 d |      |       |           | 38  |
| 40  | 67.0 | 192.0 | 131,000 c | 70.7 | 193.4 | 139,700 d |      |       |           | 40  |
| 45  | 62.4 | 189.5 | 120,700 b | 66.2 | 191.3 | 128,400 b |      |       |           | 45  |
| 46  | 61.0 | 188.9 | 118,900 b | 65.0 | 190.8 | 126,400 b | 70.9 | 192.7 | 138,100 d | 46  |
| 50  | 57.6 | 186.5 | 111,800   | 61.6 | 188.7 | 118,600 b | 67.4 | 191.1 | 124,200 c | 50  |
| 55  | 52.6 | 182.8 | 104,000   | 56.8 | 185.6 | 109,900   | 62.8 | 188.7 | 109,600 b | 55  |
| 56  | 51.0 | 182.0 | 102,700   | 55.0 | 184.9 | 108,200   | 61.2 | 188.1 | 107,300 b | 56  |
| 60  | 47.1 | 178.5 | 97,300    | 51.7 | 181.9 | 101,200   | 58.1 | 185.7 | 98,000 b  | 60  |
| 65  | 41.1 | 173.1 | 91,400    | 46.2 | 177.4 | 91,300    | 53.0 | 182.2 | 88,400    | 65  |
| 70  | 34.3 | 166.4 | 84,800    | 40.1 | 171.8 | 83,000    | 47.6 | 177.9 | 80,400    | 70  |
| 72  | 30.4 | 162.8 | 81,900    | 37.2 | 169.0 | 80,200    | 44.6 | 175.7 | 77,700    | 72  |
| 75  | 25.8 | 157.4 | 77,600    | 33.0 | 164.8 | 76,000    | 41.7 | 172.6 | 73,600    | 75  |
| 80  | 12.7 | 142.2 | 67,400    | 24.2 | 155.2 | 69,900    | 34.9 | 166.0 | 67,700    | 80  |
| 81  | 7.6  | 135.9 | 61,000    | 20.8 | 151.6 | 68,800    | 32.4 | 164.3 | 66,700    | 81  |
| 85  |      |       |           | 8.7  | 137.1 | 64,300    | 26.7 | 157.3 | 62,600    | 85  |
| 87  |      |       |           |      |       |           | 21.2 | 151.6 | 60,800    | 87  |
| 90  |      |       |           |      |       |           | 14.3 | 143.1 | 58,000    | 90  |
| 91  |      |       |           |      |       |           | 10.1 | 138.0 | 57,100    | 91  |
| 95  |      |       |           |      |       |           |      |       |           | 95  |
| 98  |      |       |           |      |       |           |      |       |           | 98  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 101 |      |       |           |      |       |           |      |       |           | 101 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 108 |      |       |           |      |       |           |      |       |           | 108 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 118 |      |       |           |      |       |           |      |       |           | 118 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 127 |      |       |           |      |       |           |      |       |           | 127 |

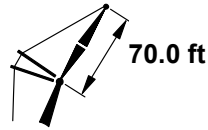
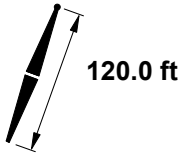


# MLC250 S-2

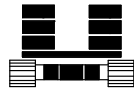
ASME B30.5



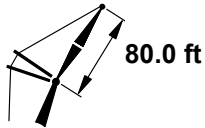
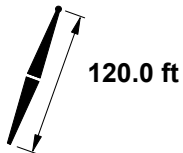
184,600 lb  
+  
44,000 lb



|     | 80°  |       |           | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft       | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 32  |      |       |           |      |       |          |      |       |        |      |       |        | 32  |
| 34  |      |       |           |      |       |          |      |       |        |      |       |        | 34  |
| 36  |      |       |           |      |       |          |      |       |        |      |       |        | 36  |
| 37  |      |       |           |      |       |          |      |       |        |      |       |        | 37  |
| 38  |      |       |           |      |       |          |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |          |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |          |      |       |        |      |       |        | 45  |
| 46  |      |       |           |      |       |          |      |       |        |      |       |        | 46  |
| 50  |      |       |           |      |       |          |      |       |        |      |       |        | 50  |
| 55  |      |       |           |      |       |          |      |       |        |      |       |        | 55  |
| 56  | 67.5 | 190.2 | 103,500 c |      |       |          |      |       |        |      |       |        | 56  |
| 60  | 63.9 | 188.3 | 94,700 b  |      |       |          |      |       |        |      |       |        | 60  |
| 65  | 59.2 | 185.4 | 85,400 b  |      |       |          |      |       |        |      |       |        | 65  |
| 70  | 54.3 | 182.0 | 77,700    |      |       |          |      |       |        |      |       |        | 70  |
| 72  | 51.6 | 180.4 | 75,100    | 62.2 | 184.8 | 70,600 b |      |       |        |      |       |        | 72  |
| 75  | 49.0 | 177.9 | 71,100    | 59.4 | 183.1 | 67,000 b |      |       |        |      |       |        | 75  |
| 80  | 43.2 | 172.9 | 65,500    | 54.4 | 179.7 | 61,700   |      |       |        |      |       |        | 80  |
| 81  | 41.6 | 171.7 | 64,500    | 53.0 | 178.9 | 60,800   |      |       |        |      |       |        | 81  |
| 85  | 36.6 | 166.7 | 60,600    | 49.1 | 175.6 | 57,100   |      |       |        |      |       |        | 85  |
| 87  | 32.8 | 163.5 | 58,800    | 46.6 | 173.6 | 55,500   | 57.4 | 178.4 | 52,000 |      |       |        | 87  |
| 90  | 28.8 | 158.6 | 56,200    | 43.4 | 170.7 | 53,000   | 54.4 | 176.3 | 49,800 |      |       |        | 90  |
| 91  | 26.0 | 156.2 | 55,400    | 41.6 | 169.4 | 52,300   | 53.0 | 175.5 | 49,100 |      |       |        | 91  |
| 95  | 18.1 | 146.5 | 52,300    | 36.9 | 164.5 | 49,400   | 49.1 | 172.2 | 46,400 |      |       |        | 95  |
| 98  | 3.5  | 129.0 | 50,000    | 31.8 | 159.7 | 47,500   | 45.4 | 169.2 | 44,600 |      |       |        | 98  |
| 100 |      |       |           | 29.1 | 156.5 | 46,200   | 43.3 | 167.2 | 43,400 |      |       |        | 100 |
| 101 |      |       |           | 26.8 | 154.1 | 45,600   | 41.6 | 166.0 | 42,800 | 52.9 | 171.1 | 40,100 | 101 |
| 105 |      |       |           | 18.6 | 144.6 | 43,200   | 36.8 | 161.1 | 40,600 | 48.6 | 167.7 | 38,000 | 105 |
| 108 |      |       |           | 5.8  | 129.4 | 41,400   | 31.8 | 156.2 | 39,200 | 44.4 | 164.6 | 36,700 | 108 |
| 110 |      |       |           |      |       |          | 29.0 | 153.0 | 38,200 | 42.8 | 162.6 | 35,700 | 110 |
| 115 |      |       |           |      |       |          | 18.4 | 141.0 | 35,900 | 36.2 | 156.3 | 33,600 | 115 |
| 118 |      |       |           |      |       |          | 5.0  | 125.0 | 34,400 | 31.2 | 151.3 | 32,500 | 118 |
| 120 |      |       |           |      |       |          |      |       |        | 28.3 | 148.0 | 31,700 | 120 |
| 125 |      |       |           |      |       |          |      |       |        | 17.2 | 135.5 | 29,800 | 125 |
| 127 |      |       |           |      |       |          |      |       |        | 9.5  | 126.3 | 29,100 | 127 |



184,600 lb  
+  
44,000 lb



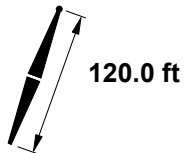
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 32  | 76.0 | 205.4 | 144,600 d |      |       |           |      |       |           | 32  |
| 34  | 74.6 | 204.8 | 139,800 d |      |       |           |      |       |           | 34  |
| 36  | 73.1 | 204.2 | 135,200 d |      |       |           |      |       |           | 36  |
| 38  | 71.5 | 203.5 | 130,800 d |      |       |           |      |       |           | 38  |
| 39  | 70.5 | 203.1 | 128,700 d | 73.9 | 204.3 | 136,900 d |      |       |           | 39  |
| 40  | 70.0 | 202.8 | 126,600 c | 73.2 | 203.9 | 134,800 d |      |       |           | 40  |
| 45  | 66.1 | 200.7 | 117,000 b | 69.4 | 202.2 | 124,400 b |      |       |           | 45  |
| 50  | 62.1 | 198.1 | 108,500   | 65.5 | 200.0 | 115,200 b | 70.3 | 201.9 | 123,800 c | 50  |
| 55  | 57.9 | 195.1 | 101,100   | 61.4 | 197.4 | 106,900   | 66.5 | 199.8 | 109,200 b | 55  |
| 60  | 53.6 | 191.6 | 94,600    | 57.2 | 194.3 | 99,800    | 62.5 | 197.4 | 97,500    | 60  |
| 65  | 48.9 | 187.5 | 88,800    | 52.8 | 190.7 | 91,000    | 58.3 | 194.4 | 88,000    | 65  |
| 70  | 43.9 | 182.6 | 83,800    | 48.1 | 186.4 | 82,800    | 53.9 | 190.9 | 80,000    | 70  |
| 75  | 38.3 | 176.6 | 77,500    | 43.0 | 181.4 | 75,800    | 49.3 | 186.8 | 73,200    | 75  |
| 76  | 36.6 | 175.2 | 76,200    | 41.8 | 180.1 | 74,600    | 48.0 | 185.9 | 72,100    | 76  |
| 80  | 32.0 | 169.3 | 71,300    | 37.3 | 175.2 | 69,800    | 44.3 | 182.0 | 67,400    | 80  |
| 85  | 24.1 | 159.5 | 65,900    | 30.8 | 167.6 | 64,500    | 38.8 | 176.2 | 62,400    | 85  |
| 90  | 11.8 | 143.2 | 59,200    | 22.5 | 157.2 | 59,900    | 32.5 | 169.0 | 57,900    | 90  |
| 91  | 7.0  | 136.5 | 54,000    | 19.2 | 153.3 | 59,000    | 30.4 | 167.1 | 57,100    | 91  |
| 92  |      |       |           | 16.4 | 149.4 | 58,200    | 28.8 | 165.2 | 56,300    | 92  |
| 95  |      |       |           | 8.1  | 137.7 | 55,700    | 24.8 | 159.5 | 54,000    | 95  |
| 100 |      |       |           |      |       |           | 13.3 | 144.2 | 50,400    | 100 |
| 101 |      |       |           |      |       |           | 9.4  | 138.8 | 49,600    | 101 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 107 |      |       |           |      |       |           |      |       |           | 107 |
| 108 |      |       |           |      |       |           |      |       |           | 108 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 118 |      |       |           |      |       |           |      |       |           | 118 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 128 |      |       |           |      |       |           |      |       |           | 128 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 137 |      |       |           |      |       |           |      |       |           | 137 |

# MLC250 S-2

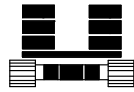
ASME B30.5



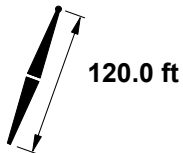
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft       | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 32  |      |       |          |      |       |          |      |       |        |      |       |        | 32  |
| 34  |      |       |          |      |       |          |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |          |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |          |      |       |        |      |       |        | 38  |
| 39  |      |       |          |      |       |          |      |       |        |      |       |        | 39  |
| 40  |      |       |          |      |       |          |      |       |        |      |       |        | 40  |
| 45  |      |       |          |      |       |          |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |          |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |          |      |       |        |      |       |        | 55  |
| 60  | 67.4 | 199.3 | 94,200 b |      |       |          |      |       |        |      |       |        | 60  |
| 65  | 63.4 | 196.9 | 84,900 b |      |       |          |      |       |        |      |       |        | 65  |
| 70  | 59.3 | 194.1 | 77,200   |      |       |          |      |       |        |      |       |        | 70  |
| 75  | 55.0 | 190.8 | 70,700   |      |       |          |      |       |        |      |       |        | 75  |
| 76  | 54.0 | 190.0 | 69,600   | 62.8 | 194.1 | 65,300 b |      |       |        |      |       |        | 76  |
| 80  | 50.4 | 186.8 | 65,100   | 59.5 | 191.8 | 61,200   |      |       |        |      |       |        | 80  |
| 85  | 45.6 | 182.2 | 60,200   | 55.2 | 188.4 | 56,600   |      |       |        |      |       |        | 85  |
| 90  | 40.2 | 176.6 | 55,900   | 50.6 | 184.5 | 52,500   |      |       |        |      |       |        | 90  |
| 91  | 38.8 | 175.2 | 55,100   | 49.0 | 183.6 | 51,800   |      |       |        |      |       |        | 91  |
| 92  | 37.6 | 173.9 | 54,400   | 48.0 | 182.7 | 51,100   | 57.7 | 187.1 | 47,800 |      |       |        | 92  |
| 95  | 34.1 | 169.8 | 52,100   | 45.7 | 179.9 | 49,000   | 55.1 | 185.0 | 45,800 |      |       |        | 95  |
| 100 | 26.9 | 161.0 | 48,700   | 40.4 | 174.4 | 45,800   | 50.5 | 181.1 | 42,800 |      |       |        | 100 |
| 101 | 24.0 | 158.4 | 48,100   | 38.8 | 173.0 | 45,200   | 49.0 | 180.2 | 42,300 |      |       |        | 101 |
| 105 | 16.8 | 147.9 | 45,600   | 34.4 | 167.6 | 42,900   | 45.7 | 176.5 | 40,100 |      |       |        | 105 |
| 107 | 7.3  | 135.4 | 44,300   | 31.2 | 164.1 | 41,900   | 43.0 | 174.3 | 39,200 | 52.9 | 179.1 | 36,500 | 107 |
| 108 | 3.2  | 129.2 | 43,700   | 29.8 | 162.4 | 41,300   | 42.0 | 173.2 | 38,700 | 51.3 | 178.2 | 36,100 | 108 |
| 110 |      |       |          | 27.2 | 158.9 | 40,300   | 40.3 | 170.9 | 37,700 | 50.2 | 176.6 | 35,200 | 110 |
| 115 |      |       |          | 17.3 | 146.1 | 37,900   | 34.3 | 164.2 | 35,500 | 45.2 | 171.9 | 33,100 | 115 |
| 118 |      |       |          | 5.4  | 129.7 | 36,400   | 29.8 | 158.9 | 34,300 | 41.4 | 168.5 | 31,900 | 118 |
| 120 |      |       |          |      |       |          | 27.0 | 155.4 | 33,500 | 39.9 | 166.3 | 31,200 | 120 |
| 125 |      |       |          |      |       |          | 17.1 | 142.5 | 31,500 | 33.7 | 159.3 | 29,400 | 125 |
| 128 |      |       |          |      |       |          | 4.6  | 125.3 | 30,300 | 28.8 | 154.0 | 28,500 | 128 |
| 130 |      |       |          |      |       |          |      |       |        | 26.4 | 150.4 | 27,800 | 130 |
| 135 |      |       |          |      |       |          |      |       |        | 16.0 | 136.8 | 26,300 | 135 |
| 137 |      |       |          |      |       |          |      |       |        | 8.9  | 127.0 | 25,600 | 137 |



184,600 lb  
+  
44,000 lb



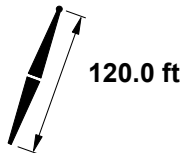
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 35  | 75.7 | 214.9 | 132,600 d |      |       |           |      |       |           | 35  |
| 36  | 75.0 | 214.6 | 130,600 d |      |       |           |      |       |           | 36  |
| 38  | 73.7 | 214.0 | 126,500 d |      |       |           |      |       |           | 38  |
| 40  | 72.3 | 213.4 | 122,700 c |      |       |           |      |       |           | 40  |
| 42  | 70.4 | 212.7 | 119,100 c | 73.8 | 213.8 | 126,400 d |      |       |           | 42  |
| 45  | 68.9 | 211.6 | 113,700 b | 71.8 | 212.8 | 120,700 b |      |       |           | 45  |
| 50  | 65.5 | 209.4 | 105,800   | 68.4 | 210.9 | 112,100 b |      |       |           | 50  |
| 53  | 62.6 | 207.8 | 101,600   | 65.6 | 209.6 | 107,500 b | 70.6 | 211.5 | 114,300 b | 53  |
| 55  | 61.9 | 206.8 | 98,700    | 64.9 | 208.7 | 104,500   | 69.2 | 210.7 | 108,900 b | 55  |
| 60  | 58.2 | 203.8 | 92,400    | 61.3 | 206.0 | 97,600    | 65.8 | 208.5 | 97,200    | 60  |
| 63  | 55.6 | 201.7 | 89,100    | 58.6 | 204.2 | 93,500    | 63.2 | 207.0 | 91,500    | 63  |
| 65  | 54.3 | 200.4 | 86,900    | 57.6 | 203.0 | 90,800    | 62.2 | 206.0 | 87,700    | 65  |
| 70  | 50.2 | 196.4 | 81,900    | 53.7 | 199.5 | 82,600    | 58.5 | 203.1 | 79,700    | 70  |
| 75  | 45.9 | 191.8 | 77,300    | 49.5 | 195.4 | 75,600    | 54.6 | 199.7 | 73,000    | 75  |
| 80  | 41.2 | 186.4 | 71,000    | 45.2 | 190.6 | 69,600    | 50.6 | 195.7 | 67,200    | 80  |
| 81  | 40.0 | 185.1 | 69,800    | 44.0 | 189.5 | 68,600    | 49.2 | 194.8 | 66,200    | 81  |
| 85  | 36.0 | 179.9 | 65,200    | 40.4 | 185.1 | 64,400    | 46.3 | 191.2 | 62,200    | 85  |
| 90  | 30.0 | 172.0 | 60,400    | 35.1 | 178.4 | 59,800    | 41.6 | 185.8 | 57,800    | 90  |
| 95  | 22.6 | 161.5 | 56,900    | 28.9 | 170.2 | 55,800    | 36.5 | 179.5 | 53,800    | 95  |
| 97  | 17.6 | 154.5 | 54,600    | 25.2 | 165.7 | 54,300    | 33.6 | 176.4 | 52,400    | 97  |
| 100 | 11.1 | 144.1 | 51,300    | 21.2 | 159.1 | 52,100    | 30.6 | 171.7 | 50,400    | 100 |
| 101 | 6.5  | 137.0 | 48,000    | 18.2 | 154.9 | 51,500    | 28.6 | 169.6 | 49,700    | 101 |
| 105 |      |       |           | 7.6  | 138.3 | 48,800    | 23.4 | 161.5 | 47,200    | 105 |
| 110 |      |       |           |      |       |           | 12.5 | 145.3 | 44,300    | 110 |
| 111 |      |       |           |      |       |           | 8.8  | 139.5 | 43,700    | 111 |
| 113 |      |       |           |      |       |           |      |       |           | 113 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 118 |      |       |           |      |       |           |      |       |           | 118 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 128 |      |       |           |      |       |           |      |       |           | 128 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 138 |      |       |           |      |       |           |      |       |           | 138 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 147 |      |       |           |      |       |           |      |       |           | 147 |

# MLC250 S-2

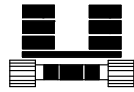
ASME B30.5



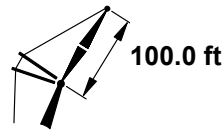
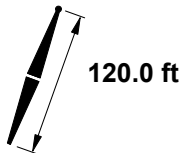
184,600 lb  
+  
44,000 lb

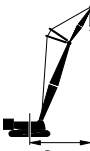
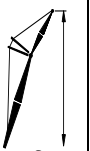
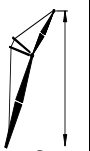
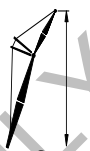


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 35  |      |       |          |      |       |        |      |       |        |      |       |        | 35  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 42  |      |       |          |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 53  |      |       |          |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 63  | 68.0 | 208.9 | 88,100 b |      |       |        |      |       |        |      |       |        | 63  |
| 65  | 66.6 | 208.1 | 84,600 b |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 63.1 | 205.6 | 76,900   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 59.4 | 202.8 | 70,400   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 55.6 | 199.5 | 64,800   |      |       |        |      |       |        |      |       |        | 80  |
| 81  | 54.2 | 198.7 | 63,800   | 62.5 | 202.7 | 59,800 |      |       |        |      |       |        | 81  |
| 85  | 51.6 | 195.7 | 59,900   | 59.5 | 200.4 | 56,200 |      |       |        |      |       |        | 85  |
| 90  | 47.3 | 191.3 | 55,700   | 55.7 | 197.1 | 52,200 |      |       |        |      |       |        | 90  |
| 95  | 42.8 | 186.1 | 51,900   | 51.7 | 193.4 | 48,700 |      |       |        |      |       |        | 95  |
| 97  | 40.0 | 183.7 | 50,500   | 49.4 | 191.6 | 47,400 | 58.0 | 195.8 | 44,200 |      |       |        | 97  |
| 100 | 37.8 | 180.1 | 48,500   | 47.5 | 189.0 | 45,500 | 55.7 | 193.8 | 42,500 |      |       |        | 100 |
| 101 | 36.0 | 178.6 | 47,900   | 46.0 | 188.0 | 44,900 | 54.2 | 193.0 | 41,900 |      |       |        | 101 |
| 105 | 32.1 | 172.7 | 45,500   | 42.9 | 183.9 | 42,600 | 51.7 | 190.0 | 39,800 |      |       |        | 105 |
| 110 | 25.3 | 163.2 | 42,800   | 38.0 | 177.8 | 40,100 | 47.4 | 185.6 | 37,400 |      |       |        | 110 |
| 111 | 23.0 | 160.4 | 42,200   | 36.0 | 176.4 | 39,600 | 46.0 | 184.6 | 37,000 |      |       |        | 111 |
| 113 | 19.0 | 154.8 | 41,200   | 34.0 | 173.4 | 38,700 | 44.0 | 182.5 | 36,100 | 53.0 | 187.1 | 33,500 | 113 |
| 115 | 15.8 | 149.3 | 40,200   | 32.3 | 170.5 | 37,700 | 42.9 | 180.5 | 35,200 | 51.3 | 185.5 | 32,700 | 115 |
| 118 | 3.0  | 129.3 | 38,700   | 27.8 | 164.9 | 36,400 | 39.0 | 176.8 | 34,000 | 48.6 | 182.8 | 31,600 | 118 |
| 120 |      |       |          | 25.5 | 161.1 | 35,600 | 37.9 | 174.4 | 33,200 | 47.1 | 181.0 | 30,900 | 120 |
| 125 |      |       |          | 16.2 | 147.5 | 33,600 | 32.2 | 167.1 | 31,400 | 42.5 | 175.8 | 29,100 | 125 |
| 128 |      |       |          | 5.0  | 130.1 | 32,400 | 27.8 | 161.4 | 30,300 | 39.0 | 172.1 | 28,200 | 128 |
| 130 |      |       |          |      |       |        | 25.4 | 157.6 | 29,700 | 37.4 | 169.7 | 27,600 | 130 |
| 135 |      |       |          |      |       |        | 16.1 | 143.8 | 28,000 | 31.7 | 162.2 | 26,100 | 135 |
| 138 |      |       |          |      |       |        | 4.3  | 125.6 | 27,000 | 26.8 | 156.4 | 25,200 | 138 |
| 140 |      |       |          |      |       |        |      |       |        | 24.8 | 152.6 | 24,700 | 140 |
| 145 |      |       |          |      |       |        |      |       |        | 15.1 | 138.1 | 23,400 | 145 |
| 147 |      |       |          |      |       |        |      |       |        | 8.3  | 127.7 | 22,800 | 147 |



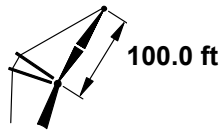
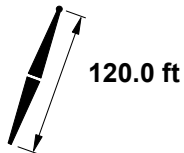
184,600 lb  
+  
44,000 lb



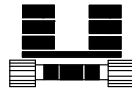
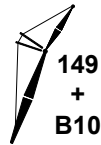
|     | <br>88° |                                                                                        |                                                                                         | <br>86° |                                                                                        |                                                                                         | <br>83° |                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|-----|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|     | <br>ft  | <br>° | <br>ft | <br>lb  | <br>° | <br>ft | <br>lb    | <br>° | <br>ft | <br>lb | <br>ft |
| 37  | 75.9                                                                                     |                                                                                        | 224.7                                                                                   | 121,700 <b>d</b>                                                                         |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 37                                                                                        |
| 38  | 75.3                                                                                     |                                                                                        | 224.5                                                                                   | 121,100 <b>c</b>                                                                         |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 38                                                                                        |
| 40  | 74.1                                                                                     |                                                                                        | 223.9                                                                                   | 118,300 <b>b</b>                                                                         |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 40                                                                                        |
| 45  | 71.1                                                                                     |                                                                                        | 222.2                                                                                   | 110,100 <b>b</b>                                                                         | 73.7                                                                                   | 223.3                                                                                   | 116,600 <b>b</b>                                                                           |                                                                                         |                                                                                           |                                                                                           | 45                                                                                        |
| 50  | 68.1                                                                                     |                                                                                        | 220.3                                                                                   | 102,600                                                                                  | 70.6                                                                                   | 221.6                                                                                   | 108,700 <b>b</b>                                                                           |                                                                                         |                                                                                           |                                                                                           | 50                                                                                        |
| 55  | 64.9                                                                                     |                                                                                        | 218.1                                                                                   | 96,000                                                                                   | 67.6                                                                                   | 219.7                                                                                   | 101,500                                                                                    |                                                                                         |                                                                                           |                                                                                           | 55                                                                                        |
| 56  | 63.4                                                                                     |                                                                                        | 217.5                                                                                   | 94,800                                                                                   | 66.4                                                                                   | 219.2                                                                                   | 100,200                                                                                    | 70.8                                                                                    | 221.0                                                                                     | 105,900 <b>b</b>                                                                          | 56                                                                                        |
| 60  | 61.7                                                                                     |                                                                                        | 215.5                                                                                   | 90,000                                                                                   | 64.4                                                                                   | 217.4                                                                                   | 95,000                                                                                     | 68.3                                                                                    | 219.5                                                                                     | 96,700                                                                                    | 60                                                                                        |
| 65  | 58.4                                                                                     |                                                                                        | 212.5                                                                                   | 84,700                                                                                   | 61.2                                                                                   | 214.7                                                                                   | 89,200                                                                                     | 65.2                                                                                    | 217.2                                                                                     | 87,200                                                                                    | 65                                                                                        |
| 67  | 56.4                                                                                     |                                                                                        | 211.1                                                                                   | 82,700                                                                                   | 59.4                                                                                   | 213.5                                                                                   | 86,400                                                                                     | 63.4                                                                                    | 216.2                                                                                     | 84,000                                                                                    | 67                                                                                        |
| 70  | 54.9                                                                                     |                                                                                        | 209.1                                                                                   | 79,800                                                                                   | 57.8                                                                                   | 211.7                                                                                   | 82,200                                                                                     | 62.0                                                                                    | 214.7                                                                                     | 79,300                                                                                    | 70                                                                                        |
| 75  | 51.3                                                                                     |                                                                                        | 205.2                                                                                   | 75,400                                                                                   | 54.3                                                                                   | 208.2                                                                                   | 75,200                                                                                     | 58.6                                                                                    | 211.7                                                                                     | 72,500                                                                                    | 75                                                                                        |
| 80  | 47.5                                                                                     |                                                                                        | 200.8                                                                                   | 69,500                                                                                   | 50.7                                                                                   | 204.3                                                                                   | 69,200                                                                                     | 55.2                                                                                    | 208.4                                                                                     | 66,800                                                                                    | 80                                                                                        |
| 85  | 43.4                                                                                     |                                                                                        | 195.8                                                                                   | 63,700                                                                                   | 46.8                                                                                   | 199.8                                                                                   | 64,100                                                                                     | 51.6                                                                                    | 204.6                                                                                     | 61,700                                                                                    | 85                                                                                        |
| 90  | 39.0                                                                                     |                                                                                        | 189.9                                                                                   | 58,700                                                                                   | 42.7                                                                                   | 194.6                                                                                   | 59,500                                                                                     | 47.8                                                                                    | 200.2                                                                                     | 57,400                                                                                    | 90                                                                                        |
| 95  | 34.1                                                                                     |                                                                                        | 183.0                                                                                   | 54,400                                                                                   | 38.2                                                                                   | 188.6                                                                                   | 55,500                                                                                     | 43.7                                                                                    | 195.2                                                                                     | 53,500                                                                                    | 95                                                                                        |
| 100 | 28.4                                                                                     |                                                                                        | 174.5                                                                                   | 50,800                                                                                   | 33.2                                                                                   | 181.4                                                                                   | 51,900                                                                                     | 39.4                                                                                    | 189.4                                                                                     | 50,000                                                                                    | 100                                                                                       |
| 103 | 23.8                                                                                     |                                                                                        | 167.8                                                                                   | 49,200                                                                                   | 29.4                                                                                   | 176.1                                                                                   | 50,000                                                                                     | 36.0                                                                                    | 185.3                                                                                     | 48,100                                                                                    | 103                                                                                       |
| 105 | 21.4                                                                                     |                                                                                        | 163.4                                                                                   | 48,200                                                                                   | 27.4                                                                                   | 172.6                                                                                   | 48,700                                                                                     | 34.5                                                                                    | 182.6                                                                                     | 46,900                                                                                    | 105                                                                                       |
| 110 | 10.5                                                                                     |                                                                                        | 145.0                                                                                   | 44,600                                                                                   | 20.1                                                                                   | 160.8                                                                                   | 45,700                                                                                     | 28.9                                                                                    | 174.3                                                                                     | 44,100                                                                                    | 110                                                                                       |
| 111 | 6.2                                                                                      |                                                                                        | 137.5                                                                                   | 41,900                                                                                   | 17.4                                                                                   | 156.4                                                                                   | 45,200                                                                                     | 26.8                                                                                    | 172.1                                                                                     | 43,600                                                                                    | 111                                                                                       |
| 115 |                                                                                          |                                                                                        |                                                                                         |                                                                                          | 7.1                                                                                    | 138.9                                                                                   | 42,900                                                                                     | 22.1                                                                                    | 163.4                                                                                     | 41,500                                                                                    | 115                                                                                       |
| 119 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            | 13.2                                                                                    | 149.7                                                                                     | 39,600                                                                                    | 119                                                                                       |
| 120 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            | 11.8                                                                                    | 146.2                                                                                     | 39,100                                                                                    | 120                                                                                       |
| 121 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            | 8.3                                                                                     | 140.2                                                                                     | 38,600                                                                                    | 121                                                                                       |
| 125 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 125                                                                                       |
| 128 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 128                                                                                       |
| 130 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 130                                                                                       |
| 135 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 135                                                                                       |
| 138 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 138                                                                                       |
| 140 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 140                                                                                       |
| 145 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 145                                                                                       |
| 148 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 148                                                                                       |
| 150 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 150                                                                                       |
| 155 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 155                                                                                       |
| 157 |                                                                                          |                                                                                        |                                                                                         |                                                                                          |                                                                                        |                                                                                         |                                                                                            |                                                                                         |                                                                                           |                                                                                           | 157                                                                                       |



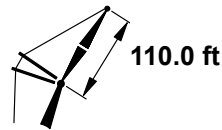
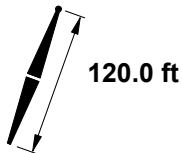
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 37  |      |       |        |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  | 67.8 | 218.1 | 80,800 |      |       |        |      |       |        |      |       |        | 67  |
| 70  | 65.9 | 216.8 | 76,400 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 62.7 | 214.3 | 69,900 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 59.5 | 211.4 | 64,300 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 56.0 | 208.2 | 59,400 | 62.9 | 211.9 | 55,600 |      |       |        |      |       |        | 85  |
| 90  | 52.5 | 204.5 | 55,200 | 59.6 | 209.1 | 51,600 |      |       |        |      |       |        | 90  |
| 95  | 48.7 | 200.3 | 51,400 | 56.2 | 205.9 | 48,100 |      |       |        |      |       |        | 95  |
| 100 | 44.7 | 195.4 | 48,100 | 52.6 | 202.2 | 45,000 |      |       |        |      |       |        | 100 |
| 103 | 41.6 | 192.1 | 46,300 | 49.6 | 199.6 | 43,300 | 57.5 | 203.8 | 40,200 |      |       |        | 103 |
| 105 | 40.4 | 189.9 | 45,100 | 48.9 | 198.0 | 42,100 | 56.1 | 202.5 | 39,200 |      |       |        | 105 |
| 110 | 35.7 | 183.3 | 42,400 | 44.9 | 193.2 | 39,600 | 52.5 | 198.8 | 36,800 |      |       |        | 110 |
| 111 | 34.0 | 181.7 | 41,900 | 43.2 | 192.1 | 39,100 | 51.2 | 197.9 | 36,400 |      |       |        | 111 |
| 115 | 30.4 | 175.4 | 39,900 | 40.6 | 187.6 | 37,300 | 48.8 | 194.6 | 34,700 |      |       |        | 115 |
| 119 | 24.4 | 167.3 | 38,100 | 36.0 | 182.4 | 35,600 | 44.8 | 190.7 | 33,100 | 53.0 | 195.1 | 30,600 | 119 |
| 120 | 23.9 | 165.3 | 37,700 | 35.9 | 181.1 | 35,200 | 44.8 | 189.8 | 32,700 | 52.3 | 194.3 | 30,200 | 120 |
| 121 | 21.2 | 162.4 | 37,200 | 34.0 | 179.5 | 34,800 | 43.2 | 188.6 | 32,300 | 51.2 | 193.4 | 29,900 | 121 |
| 125 | 15.0 | 150.5 | 35,500 | 30.6 | 173.2 | 33,200 | 40.5 | 184.2 | 30,900 | 48.5 | 190.0 | 28,600 | 125 |
| 128 | 2.8  | 129.5 | 34,200 | 26.4 | 167.3 | 32,100 | 37.0 | 180.3 | 29,900 | 45.6 | 187.1 | 27,600 | 128 |
| 130 |      |       |        | 24.2 | 163.3 | 31,400 | 35.8 | 177.7 | 29,200 | 44.5 | 185.1 | 27,000 | 130 |
| 135 |      |       |        | 15.4 | 148.8 | 29,700 | 30.5 | 169.8 | 27,600 | 40.2 | 179.5 | 25,500 | 135 |
| 138 |      |       |        | 4.7  | 130.4 | 28,700 | 26.4 | 163.8 | 26,800 | 37.0 | 175.5 | 24,700 | 138 |
| 140 |      |       |        |      |       |        | 24.1 | 159.8 | 26,200 | 35.4 | 172.9 | 24,200 | 140 |
| 145 |      |       |        |      |       |        | 15.2 | 145.1 | 24,800 | 30.0 | 164.9 | 22,900 | 145 |
| 148 |      |       |        |      |       |        | 4.0  | 125.9 | 23,900 | 25.8 | 158.7 | 22,200 | 148 |
| 150 |      |       |        |      |       |        |      |       |        | 23.5 | 154.6 | 21,800 | 150 |
| 155 |      |       |        |      |       |        |      |       |        | 14.2 | 139.3 | 20,600 | 155 |
| 157 |      |       |        |      |       |        |      |       |        | 7.8  | 128.3 | 20,100 | 157 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |        |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|--------|-----|
|     |      |       |           |      |       |           |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft     |     |
| 40  | 75.6 | 234.3 | 108,800 b |      |       |           |      |       |        | 40  |
| 45  | 72.9 | 232.8 | 106,400 b |      |       |           |      |       |        | 45  |
| 48  | 70.8 | 231.8 | 102,300 b | 73.6 | 232.9 | 108,100 b |      |       |        | 48  |
| 50  | 70.2 | 231.1 | 99,500    | 72.5 | 232.2 | 105,300 b |      |       |        | 50  |
| 55  | 67.3 | 229.0 | 93,300    | 69.7 | 230.5 | 98,600    |      |       |        | 55  |
| 59  | 64.6 | 227.2 | 88,800    | 66.6 | 228.8 | 93,700    | 70.9 | 230.6 | 98,800 | 59  |
| 60  | 64.5 | 226.7 | 87,600    | 66.9 | 228.4 | 92,500    | 70.4 | 230.2 | 96,600 | 60  |
| 65  | 61.5 | 224.1 | 82,500    | 64.0 | 226.0 | 87,000    | 67.6 | 228.2 | 87,100 | 65  |
| 70  | 58.5 | 221.2 | 77,900    | 61.0 | 223.4 | 82,000    | 64.7 | 225.9 | 79,100 | 70  |
| 71  | 57.4 | 220.5 | 77,100    | 60.4 | 222.8 | 80,600    | 63.4 | 225.4 | 77,800 | 71  |
| 75  | 55.4 | 217.8 | 73,700    | 58.0 | 220.3 | 75,100    | 61.8 | 223.3 | 72,400 | 75  |
| 80  | 52.1 | 214.1 | 68,700    | 54.9 | 216.9 | 69,200    | 58.8 | 220.4 | 66,700 | 80  |
| 85  | 48.7 | 209.8 | 63,100    | 51.6 | 213.1 | 64,000    | 55.6 | 217.1 | 61,700 | 85  |
| 90  | 45.1 | 205.0 | 58,000    | 48.1 | 208.8 | 59,500    | 52.4 | 213.4 | 57,300 | 90  |
| 95  | 41.2 | 199.6 | 53,600    | 44.5 | 203.9 | 55,400    | 49.0 | 209.2 | 53,400 | 95  |
| 100 | 37.1 | 193.3 | 49,700    | 40.6 | 198.3 | 51,900    | 45.4 | 204.4 | 49,900 | 100 |
| 105 | 32.4 | 185.9 | 46,400    | 36.3 | 191.9 | 48,700    | 41.6 | 199.1 | 46,800 | 105 |
| 108 | 29.0 | 180.5 | 44,700    | 33.0 | 187.3 | 46,900    | 38.6 | 195.3 | 45,200 | 108 |
| 110 | 27.0 | 176.9 | 43,600    | 31.6 | 184.2 | 45,800    | 37.4 | 192.8 | 44,100 | 110 |
| 115 | 20.4 | 165.1 | 41,600    | 26.1 | 174.9 | 43,100    | 32.8 | 185.6 | 41,500 | 115 |
| 120 | 10.0 | 145.8 | 39,500    | 19.1 | 162.5 | 40,700    | 27.5 | 176.7 | 39,200 | 120 |
| 121 | 5.8  | 137.9 | 37,200    | 16.4 | 157.8 | 40,200    | 25.8 | 174.4 | 38,800 | 121 |
| 125 |      |       |           | 6.8  | 139.4 | 38,400    | 21.0 | 165.3 | 37,000 | 125 |
| 130 |      |       |           |      |       |           | 11.2 | 147.2 | 35,000 | 130 |
| 131 |      |       |           |      |       |           | 7.9  | 140.8 | 34,600 | 131 |
| 135 |      |       |           |      |       |           |      |       |        | 135 |
| 138 |      |       |           |      |       |           |      |       |        | 138 |
| 140 |      |       |           |      |       |           |      |       |        | 140 |
| 145 |      |       |           |      |       |           |      |       |        | 145 |
| 148 |      |       |           |      |       |           |      |       |        | 148 |
| 150 |      |       |           |      |       |           |      |       |        | 150 |
| 155 |      |       |           |      |       |           |      |       |        | 155 |
| 158 |      |       |           |      |       |           |      |       |        | 158 |
| 160 |      |       |           |      |       |           |      |       |        | 160 |
| 165 |      |       |           |      |       |           |      |       |        | 165 |
| 167 |      |       |           |      |       |           |      |       |        | 167 |

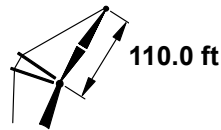
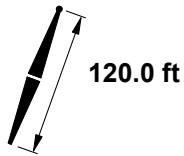


# MLC250 S-2

ASME B30.5



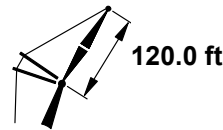
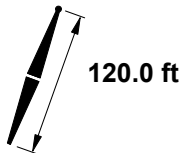
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  | 67.7 | 227.3 | 74,800 |      |       |        |      |       |        |      |       |        | 71  |
| 75  | 65.4 | 225.5 | 69,700 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 62.5 | 222.9 | 64,200 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 59.5 | 220.1 | 59,300 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 56.4 | 216.9 | 55,100 | 62.6 | 220.6 | 51,500 |      |       |        |      |       |        | 90  |
| 95  | 53.2 | 213.3 | 51,300 | 59.6 | 217.7 | 48,000 |      |       |        |      |       |        | 95  |
| 100 | 49.8 | 209.2 | 48,000 | 56.5 | 214.5 | 44,800 |      |       |        |      |       |        | 100 |
| 105 | 46.3 | 204.6 | 45,000 | 53.3 | 210.9 | 42,000 |      |       |        |      |       |        | 105 |
| 108 | 43.6 | 201.5 | 43,400 | 50.6 | 208.5 | 40,500 | 57.7 | 212.5 | 37,600 |      |       |        | 108 |
| 110 | 42.5 | 199.4 | 42,300 | 50.0 | 206.9 | 39,500 | 56.5 | 211.2 | 36,700 |      |       |        | 110 |
| 115 | 38.5 | 193.4 | 39,900 | 46.4 | 202.3 | 37,200 | 53.3 | 207.6 | 34,500 |      |       |        | 115 |
| 120 | 34.0 | 186.4 | 37,700 | 42.7 | 197.1 | 35,100 | 49.9 | 203.5 | 32,600 |      |       |        | 120 |
| 121 | 32.0 | 184.7 | 37,200 | 41.2 | 195.9 | 34,700 | 48.4 | 202.6 | 32,200 |      |       |        | 121 |
| 125 | 28.9 | 178.0 | 35,600 | 38.6 | 191.1 | 33,200 | 46.4 | 198.9 | 30,800 | 53.0 | 203.1 | 28,400 | 125 |
| 130 | 22.7 | 167.3 | 33,700 | 34.1 | 184.2 | 31,400 | 42.6 | 193.7 | 29,100 | 49.6 | 199.0 | 26,900 | 130 |
| 131 | 20.4 | 164.2 | 33,300 | 33.0 | 182.5 | 31,100 | 41.2 | 192.5 | 28,800 | 48.4 | 198.0 | 26,600 | 131 |
| 135 | 14.2 | 151.7 | 31,900 | 29.1 | 175.8 | 29,800 | 38.5 | 187.7 | 27,600 | 46.1 | 194.3 | 25,400 | 135 |
| 138 | 2.6  | 129.6 | 30,800 | 24.8 | 169.5 | 28,800 | 35.6 | 183.5 | 26,700 | 43.6 | 191.1 | 24,600 | 138 |
| 140 |      |       |        | 23.0 | 165.3 | 28,200 | 34.1 | 180.7 | 26,200 | 42.3 | 189.0 | 24,100 | 140 |
| 145 |      |       |        | 14.6 | 150.0 | 26,800 | 29.0 | 172.4 | 24,800 | 38.2 | 183.0 | 22,900 | 145 |
| 148 |      |       |        | 4.5  | 130.8 | 25,900 | 24.4 | 166.0 | 24,100 | 35.0 | 178.7 | 22,200 | 148 |
| 150 |      |       |        |      |       |        | 22.9 | 161.8 | 23,600 | 33.7 | 175.9 | 21,700 | 150 |
| 155 |      |       |        |      |       |        | 14.5 | 146.4 | 22,400 | 28.5 | 167.4 | 20,600 | 155 |
| 158 |      |       |        |      |       |        | 3.8  | 126.2 | 21,600 | 24.4 | 160.9 | 20,000 | 158 |
| 160 |      |       |        |      |       |        |      |       |        | 22.3 | 156.6 | 19,600 | 160 |
| 165 |      |       |        |      |       |        |      |       |        | 13.5 | 140.5 | 18,600 | 165 |
| 167 |      |       |        |      |       |        |      |       |        | 7.4  | 128.9 | 18,200 | 167 |



184,600 lb  
+  
44,000 lb



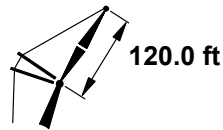
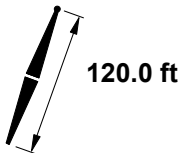
|     | 88°  |       |          | 86°  |       |           | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|-----------|------|-------|--------|-----|
|     |      |       |          |      |       |           |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft        | lb   | ft    | ft     |     |
| 42  | 75.9 | 244.1 | 97,900 b |      |       |           |      |       |        | 42  |
| 45  | 74.4 | 243.3 | 96,700 b |      |       |           |      |       |        | 45  |
| 50  | 71.9 | 241.7 | 94,600   | 74.0 | 242.7 | 101,600 b |      |       |        | 50  |
| 55  | 69.3 | 239.9 | 90,400   | 71.5 | 241.1 | 95,500    |      |       |        | 55  |
| 60  | 66.8 | 237.8 | 85,100   | 68.9 | 239.2 | 89,800    |      |       |        | 60  |
| 63  | 64.8 | 236.4 | 82,200   | 66.8 | 238.0 | 86,700    | 70.6 | 239.8 | 90,200 | 63  |
| 65  | 64.1 | 235.4 | 80,300   | 66.3 | 237.1 | 84,600    | 69.6 | 239.0 | 86,600 | 65  |
| 70  | 61.4 | 232.8 | 75,900   | 63.7 | 234.7 | 79,800    | 67.0 | 236.9 | 78,700 | 70  |
| 75  | 58.6 | 229.8 | 71,900   | 61.0 | 232.0 | 74,700    | 64.3 | 234.6 | 72,000 | 75  |
| 80  | 55.8 | 226.5 | 67,400   | 58.2 | 229.0 | 68,800    | 61.6 | 232.0 | 66,200 | 80  |
| 85  | 52.8 | 222.9 | 61,900   | 55.3 | 225.7 | 63,600    | 58.9 | 229.1 | 61,200 | 85  |
| 90  | 49.7 | 218.8 | 57,200   | 52.3 | 221.9 | 59,100    | 56.0 | 225.8 | 56,800 | 90  |
| 94  | 46.6 | 215.1 | 53,700   | 49.6 | 218.6 | 55,900    | 53.6 | 222.9 | 53,700 | 94  |
| 95  | 46.5 | 214.2 | 52,900   | 49.2 | 217.7 | 55,100    | 53.1 | 222.2 | 53,000 | 95  |
| 100 | 43.1 | 209.0 | 49,000   | 45.9 | 213.1 | 51,500    | 50.0 | 218.1 | 49,500 | 100 |
| 105 | 39.4 | 203.2 | 45,600   | 42.5 | 207.8 | 48,300    | 46.8 | 213.6 | 46,400 | 105 |
| 110 | 35.4 | 196.5 | 42,600   | 38.8 | 201.9 | 45,400    | 43.4 | 208.5 | 43,700 | 110 |
| 113 | 32.0 | 191.8 | 41,000   | 35.6 | 197.7 | 43,900    | 40.6 | 205.0 | 42,100 | 113 |
| 115 | 31.0 | 188.7 | 39,900   | 34.7 | 195.0 | 42,800    | 39.7 | 202.7 | 41,100 | 115 |
| 120 | 25.8 | 179.2 | 37,800   | 30.2 | 186.9 | 40,400    | 35.8 | 196.1 | 38,800 | 120 |
| 125 | 19.5 | 166.8 | 36,300   | 24.9 | 177.1 | 38,200    | 31.4 | 188.4 | 36,700 | 125 |
| 130 | 9.5  | 146.6 | 34,800   | 18.2 | 164.0 | 36,200    | 26.3 | 179.0 | 34,800 | 130 |
| 131 | 5.5  | 138.3 | 32,700   | 15.6 | 159.2 | 35,700    | 24.8 | 176.6 | 34,400 | 131 |
| 135 |      |       |          | 6.5  | 139.9 | 34,000    | 20.1 | 167.0 | 33,000 | 135 |
| 140 |      |       |          |      |       |           | 10.7 | 148.1 | 31,200 | 140 |
| 141 |      |       |          |      |       |           | 7.5  | 141.4 | 30,900 | 141 |
| 145 |      |       |          |      |       |           |      |       |        | 145 |
| 148 |      |       |          |      |       |           |      |       |        | 148 |
| 150 |      |       |          |      |       |           |      |       |        | 150 |
| 155 |      |       |          |      |       |           |      |       |        | 155 |
| 158 |      |       |          |      |       |           |      |       |        | 158 |
| 160 |      |       |          |      |       |           |      |       |        | 160 |
| 165 |      |       |          |      |       |           |      |       |        | 165 |
| 168 |      |       |          |      |       |           |      |       |        | 168 |
| 170 |      |       |          |      |       |           |      |       |        | 170 |
| 175 |      |       |          |      |       |           |      |       |        | 175 |
| 177 |      |       |          |      |       |           |      |       |        | 177 |

# MLC250 S-2

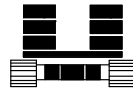
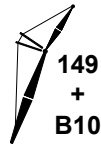
ASME B30.5



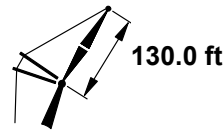
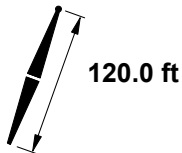
184,600 lb  
+  
44,000 lb

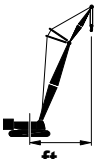
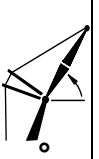
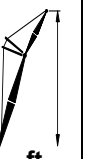
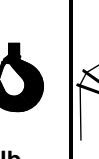


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 42  |      |       |        |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 67.6 | 236.4 | 69,200 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 65.0 | 234.2 | 63,600 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 62.3 | 231.6 | 58,800 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 59.5 | 228.8 | 54,600 |      |       |        |      |       |        |      |       |        | 90  |
| 94  | 56.6 | 226.2 | 51,600 | 62.9 | 229.8 | 48,100 |      |       |        |      |       |        | 94  |
| 95  | 56.7 | 225.6 | 50,900 | 62.4 | 229.2 | 47,400 |      |       |        |      |       |        | 95  |
| 100 | 53.8 | 222.0 | 47,500 | 59.6 | 226.4 | 44,300 |      |       |        |      |       |        | 100 |
| 105 | 50.7 | 218.1 | 44,600 | 56.8 | 223.2 | 41,500 |      |       |        |      |       |        | 105 |
| 110 | 47.6 | 213.6 | 41,900 | 53.9 | 219.7 | 39,000 |      |       |        |      |       |        | 110 |
| 113 | 45.2 | 210.7 | 40,400 | 51.2 | 217.3 | 37,600 | 57.9 | 221.2 | 34,800 |      |       |        | 113 |
| 115 | 44.2 | 208.7 | 39,500 | 50.9 | 215.8 | 36,700 | 56.8 | 219.8 | 33,900 |      |       |        | 115 |
| 120 | 40.6 | 203.1 | 37,200 | 47.7 | 211.4 | 34,600 | 53.8 | 216.3 | 32,000 |      |       |        | 120 |
| 125 | 36.7 | 196.7 | 35,200 | 44.3 | 206.4 | 32,700 | 50.8 | 212.4 | 30,200 |      |       |        | 125 |
| 130 | 32.5 | 189.3 | 33,300 | 40.7 | 200.8 | 30,900 | 47.6 | 207.9 | 28,600 |      |       |        | 130 |
| 131 | 31.0 | 187.5 | 33,000 | 39.2 | 199.6 | 30,600 | 46.4 | 207.0 | 28,300 | 53.0 | 211.1 | 26,000 | 131 |
| 135 | 27.6 | 180.4 | 31,600 | 36.9 | 194.5 | 29,300 | 44.3 | 203.0 | 27,000 | 50.6 | 207.8 | 24,800 | 135 |
| 140 | 21.7 | 169.2 | 30,000 | 32.6 | 187.1 | 27,800 | 40.7 | 197.4 | 25,600 | 47.4 | 203.4 | 23,500 | 140 |
| 141 | 19.4 | 165.9 | 29,700 | 31.0 | 185.3 | 27,500 | 39.2 | 196.1 | 25,400 | 46.2 | 202.4 | 23,300 | 141 |
| 145 | 13.6 | 152.9 | 28,400 | 27.8 | 178.3 | 26,400 | 36.8 | 191.1 | 24,300 | 44.0 | 198.4 | 22,300 | 145 |
| 148 | 2.4  | 129.8 | 27,500 | 23.4 | 171.6 | 25,600 | 33.6 | 186.6 | 23,600 | 41.2 | 195.0 | 21,600 | 148 |
| 150 |      |       |        | 22.0 | 167.2 | 25,100 | 32.6 | 183.7 | 23,100 | 40.4 | 192.8 | 21,200 | 150 |
| 155 |      |       |        | 14.0 | 151.2 | 23,800 | 27.7 | 174.8 | 22,000 | 36.5 | 186.3 | 20,100 | 155 |
| 158 |      |       |        | 4.2  | 131.1 | 23,000 | 23.4 | 168.1 | 21,300 | 33.6 | 181.8 | 19,500 | 158 |
| 160 |      |       |        |      |       |        | 21.9 | 163.7 | 20,900 | 32.2 | 178.8 | 19,100 | 160 |
| 165 |      |       |        |      |       |        | 13.8 | 147.6 | 19,800 | 27.3 | 169.8 | 18,200 | 165 |
| 168 |      |       |        |      |       |        | 3.6  | 126.4 | 19,200 | 23.4 | 163.0 | 17,600 | 168 |
| 170 |      |       |        |      |       |        |      |       |        | 21.3 | 158.4 | 17,300 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 12.9 | 141.6 | 16,400 | 175 |
| 177 |      |       |        |      |       |        |      |       |        | 7.1  | 129.5 | 16,000 | 177 |



184,600 lb  
+  
44,000 lb



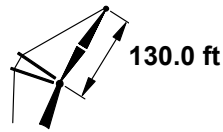
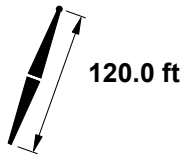
|     | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                               |                                                                                    |                                                                                     |                                                                                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |  |  |  |  |  |  |  |  |  |  |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  |
| 45  | 75.6                                                                              | 253.6                                                                             | 88,200 b                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 45                                                                                  |
| 50  | 73.3                                                                              | 252.2                                                                             | 86,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 50                                                                                  |
| 53  | 71.2                                                                              | 251.2                                                                             | 85,900                                                                            | 73.9                                                                              | 252.3                                                                             | 94,800                                                                            |                                                                                   |                                                                                    |                                                                                     | 53                                                                                  |
| 55  | 71.0                                                                              | 250.5                                                                             | 85,600                                                                            | 72.9                                                                              | 251.6                                                                             | 92,600                                                                            |                                                                                   |                                                                                    |                                                                                     | 55                                                                                  |
| 60  | 68.6                                                                              | 248.6                                                                             | 82,900                                                                            | 70.6                                                                              | 249.9                                                                             | 87,400                                                                            |                                                                                   |                                                                                    |                                                                                     | 60                                                                                  |
| 65  | 66.2                                                                              | 246.5                                                                             | 78,300                                                                            | 68.2                                                                              | 248.0                                                                             | 82,500                                                                            |                                                                                   |                                                                                    |                                                                                     | 65                                                                                  |
| 66  | 65.4                                                                              | 246.0                                                                             | 77,500                                                                            | 67.4                                                                              | 247.6                                                                             | 81,600                                                                            | 70.7                                                                              | 249.3                                                                              | 84,500                                                                              | 66                                                                                  |
| 70  | 63.8                                                                              | 244.1                                                                             | 74,100                                                                            | 65.8                                                                              | 245.8                                                                             | 78,000                                                                            | 68.8                                                                              | 247.8                                                                              | 78,300                                                                              | 70                                                                                  |
| 75  | 61.3                                                                              | 241.4                                                                             | 70,300                                                                            | 63.4                                                                              | 243.4                                                                             | 73,900                                                                            | 66.4                                                                              | 245.7                                                                              | 71,600                                                                              | 75                                                                                  |
| 78  | 59.2                                                                              | 239.7                                                                             | 67,600                                                                            | 61.2                                                                              | 241.8                                                                             | 70,600                                                                            | 64.8                                                                              | 244.2                                                                              | 68,200                                                                              | 78                                                                                  |
| 80  | 58.7                                                                              | 238.5                                                                             | 65,800                                                                            | 60.9                                                                              | 240.7                                                                             | 68,500                                                                            | 64.0                                                                              | 243.3                                                                              | 65,900                                                                              | 80                                                                                  |
| 85  | 56.1                                                                              | 235.2                                                                             | 61,000                                                                            | 58.3                                                                              | 237.7                                                                             | 63,300                                                                            | 61.5                                                                              | 240.7                                                                              | 60,900                                                                              | 85                                                                                  |
| 90  | 53.4                                                                              | 231.6                                                                             | 56,300                                                                            | 55.7                                                                              | 234.4                                                                             | 58,800                                                                            | 59.0                                                                              | 237.7                                                                              | 56,500                                                                              | 90                                                                                  |
| 95  | 50.6                                                                              | 227.6                                                                             | 52,200                                                                            | 52.9                                                                              | 230.7                                                                             | 54,800                                                                            | 56.3                                                                              | 234.5                                                                              | 52,600                                                                              | 95                                                                                  |
| 99  | 47.6                                                                              | 224.1                                                                             | 49,200                                                                            | 50.4                                                                              | 227.4                                                                             | 51,900                                                                            | 53.6                                                                              | 231.6                                                                              | 49,900                                                                              | 99                                                                                  |
| 100 | 47.6                                                                              | 223.2                                                                             | 48,500                                                                            | 50.1                                                                              | 226.6                                                                             | 51,200                                                                            | 53.6                                                                              | 230.9                                                                              | 49,200                                                                              | 100                                                                                 |
| 105 | 44.5                                                                              | 218.3                                                                             | 45,100                                                                            | 47.1                                                                              | 222.1                                                                             | 48,000                                                                            | 50.8                                                                              | 227.0                                                                              | 46,100                                                                              | 105                                                                                 |
| 110 | 41.3                                                                              | 212.8                                                                             | 42,000                                                                            | 44.0                                                                              | 217.1                                                                             | 45,200                                                                            | 47.9                                                                              | 222.6                                                                              | 43,300                                                                              | 110                                                                                 |
| 115 | 37.8                                                                              | 206.6                                                                             | 39,300                                                                            | 40.7                                                                              | 211.5                                                                             | 42,500                                                                            | 44.8                                                                              | 217.7                                                                              | 40,800                                                                              | 115                                                                                 |
| 119 | 33.8                                                                              | 201.0                                                                             | 37,400                                                                            | 37.6                                                                              | 206.5                                                                             | 40,600                                                                            | 41.6                                                                              | 213.4                                                                              | 39,000                                                                              | 119                                                                                 |
| 120 | 34.0                                                                              | 199.6                                                                             | 37,000                                                                            | 37.2                                                                              | 205.2                                                                             | 40,200                                                                            | 41.6                                                                              | 212.3                                                                              | 38,500                                                                              | 120                                                                                 |
| 125 | 29.7                                                                              | 191.3                                                                             | 34,900                                                                            | 33.3                                                                              | 198.0                                                                             | 38,000                                                                            | 38.1                                                                              | 206.2                                                                              | 36,400                                                                              | 125                                                                                 |
| 130 | 24.8                                                                              | 181.4                                                                             | 33,200                                                                            | 29.0                                                                              | 189.5                                                                             | 36,000                                                                            | 34.3                                                                              | 199.2                                                                              | 34,500                                                                              | 130                                                                                 |
| 135 | 18.7                                                                              | 168.5                                                                             | 31,900                                                                            | 23.9                                                                              | 179.2                                                                             | 34,100                                                                            | 30.1                                                                              | 191.1                                                                              | 32,700                                                                              | 135                                                                                 |
| 137 | 14.4                                                                              | 160.0                                                                             | 31,500                                                                            | 20.6                                                                              | 173.7                                                                             | 33,400                                                                            | 28.0                                                                              | 187.1                                                                              | 32,100                                                                              | 137                                                                                 |
| 140 | 9.1                                                                               | 147.4                                                                             | 30,800                                                                            | 17.5                                                                              | 165.6                                                                             | 32,400                                                                            | 25.2                                                                              | 181.3                                                                              | 31,100                                                                              | 140                                                                                 |
| 141 | 5.3                                                                               | 138.8                                                                             | 29,000                                                                            | 14.8                                                                              | 160.5                                                                             | 31,900                                                                            | 23.8                                                                              | 178.8                                                                              | 30,800                                                                              | 141                                                                                 |
| 145 |                                                                                   |                                                                                   |                                                                                   | 6.2                                                                               | 140.4                                                                             | 30,100                                                                            | 19.3                                                                              | 168.7                                                                              | 29,500                                                                              | 145                                                                                 |
| 150 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 10.3                                                                              | 149.0                                                                              | 28,000                                                                              | 150                                                                                 |
| 151 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 7.2                                                                               | 142.0                                                                              | 27,700                                                                              | 151                                                                                 |
| 155 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 155                                                                                 |
| 158 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 158                                                                                 |
| 160 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 160                                                                                 |
| 165 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 165                                                                                 |
| 168 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 168                                                                                 |
| 170 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 170                                                                                 |
| 175 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 175                                                                                 |
| 178 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 178                                                                                 |
| 180 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 180                                                                                 |
| 185 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 185                                                                                 |
| 187 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 187                                                                                 |

# MLC250 S-2

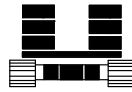
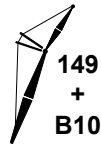
ASME B30.5



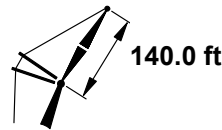
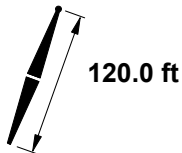
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  | 68.0 | 246.0 | 65,400 |      |       |        |      |       |        |      |       |        | 78  |
| 80  | 67.0 | 245.2 | 63,300 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 64.6 | 242.8 | 58,400 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 62.1 | 240.3 | 54,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 59.6 | 237.4 | 50,500 |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 56.6 | 234.9 | 47,800 | 62.7 | 238.4 | 44,500 |      |       |        |      |       |        | 99  |
| 100 | 57.0 | 234.3 | 47,200 | 62.2 | 237.9 | 43,900 |      |       |        |      |       |        | 100 |
| 105 | 54.3 | 230.8 | 44,200 | 59.7 | 235.1 | 41,100 |      |       |        |      |       |        | 105 |
| 110 | 51.5 | 226.9 | 41,500 | 57.1 | 231.9 | 38,600 |      |       |        |      |       |        | 110 |
| 115 | 48.6 | 222.6 | 39,100 | 54.4 | 228.4 | 36,300 |      |       |        |      |       |        | 115 |
| 119 | 45.6 | 218.8 | 37,400 | 51.6 | 225.4 | 34,600 | 57.6 | 229.2 | 32,000 |      |       |        | 119 |
| 120 | 45.6 | 217.9 | 36,900 | 51.6 | 224.6 | 34,200 | 57.0 | 228.5 | 31,600 |      |       |        | 120 |
| 125 | 42.4 | 212.6 | 34,900 | 48.7 | 220.3 | 32,300 | 54.3 | 225.0 | 29,800 |      |       |        | 125 |
| 130 | 38.9 | 206.6 | 33,000 | 45.7 | 215.6 | 30,600 | 51.6 | 221.2 | 28,200 |      |       |        | 130 |
| 135 | 35.2 | 199.9 | 31,300 | 42.5 | 210.3 | 29,000 | 48.7 | 216.9 | 26,700 |      |       |        | 135 |
| 137 | 33.4 | 196.8 | 30,700 | 40.8 | 208.0 | 28,400 | 46.8 | 215.0 | 26,100 | 53.0 | 219.1 | 23,900 | 137 |
| 140 | 31.1 | 192.1 | 29,700 | 39.1 | 204.4 | 27,500 | 45.6 | 212.2 | 25,300 | 51.3 | 216.7 | 23,100 | 140 |
| 141 | 30.0 | 190.2 | 29,400 | 38.2 | 203.1 | 27,200 | 44.4 | 211.1 | 25,000 | 50.4 | 215.8 | 22,900 | 141 |
| 145 | 26.5 | 182.8 | 28,300 | 35.4 | 197.7 | 26,100 | 42.4 | 206.9 | 24,000 | 48.4 | 212.4 | 21,900 | 145 |
| 150 | 20.9 | 171.0 | 26,900 | 31.3 | 189.9 | 24,800 | 39.0 | 201.0 | 22,800 | 45.4 | 207.6 | 20,800 | 150 |
| 151 | 18.6 | 167.6 | 26,600 | 30.0 | 188.1 | 24,600 | 38.2 | 199.6 | 22,600 | 44.4 | 206.5 | 20,600 | 151 |
| 155 | 13.0 | 154.0 | 25,500 | 26.7 | 180.7 | 23,600 | 35.3 | 194.2 | 21,600 | 42.2 | 202.3 | 19,700 | 155 |
| 158 | 2.3  | 129.9 | 24,700 | 23.0 | 173.7 | 22,900 | 32.6 | 189.6 | 21,000 | 39.6 | 198.7 | 19,100 | 158 |
| 160 |      |       |        | 21.1 | 169.1 | 22,500 | 31.2 | 186.5 | 20,600 | 38.7 | 196.3 | 18,700 | 160 |
| 165 |      |       |        | 13.4 | 152.4 | 21,300 | 26.6 | 177.2 | 19,600 | 35.0 | 189.5 | 17,800 | 165 |
| 168 |      |       |        | 4.0  | 131.4 | 20,700 | 22.4 | 170.2 | 19,000 | 31.6 | 184.7 | 17,300 | 168 |
| 170 |      |       |        |      |       |        | 21.0 | 165.5 | 18,600 | 30.9 | 181.6 | 16,900 | 170 |
| 175 |      |       |        |      |       |        | 13.2 | 148.7 | 17,700 | 26.2 | 172.2 | 16,100 | 175 |
| 178 |      |       |        |      |       |        | 3.4  | 126.7 | 17,100 | 22.4 | 165.0 | 15,600 | 178 |
| 180 |      |       |        |      |       |        |      |       |        | 20.5 | 160.2 | 15,300 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 12.4 | 142.6 | 14,500 | 185 |
| 187 |      |       |        |      |       |        |      |       |        | 6.8  | 130.0 | 14,200 | 187 |



184,600 lb  
+  
44,000 lb



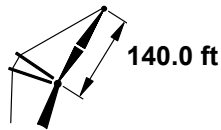
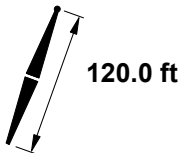
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 47  | 75.8 | 263.4 | 79,700 |      |       |        |      |       |        | 47  |
| 50  | 74.5 | 262.6 | 78,900 |      |       |        |      |       |        | 50  |
| 55  | 72.4 | 261.1 | 77,500 |      |       |        |      |       |        | 55  |
| 56  | 71.6 | 260.7 | 77,400 | 73.8 | 261.8 | 88,200 |      |       |        | 56  |
| 60  | 70.2 | 259.3 | 76,700 | 72.1 | 260.5 | 84,400 |      |       |        | 60  |
| 65  | 68.0 | 257.4 | 74,700 | 69.9 | 258.7 | 79,900 |      |       |        | 65  |
| 69  | 65.6 | 255.6 | 72,500 | 67.4 | 257.1 | 76,500 | 70.9 | 258.8 | 79,300 | 69  |
| 70  | 65.8 | 255.2 | 71,900 | 67.7 | 256.7 | 75,700 | 70.4 | 258.5 | 77,800 | 70  |
| 75  | 63.5 | 252.8 | 68,300 | 65.4 | 254.5 | 71,800 | 68.2 | 256.5 | 71,100 | 75  |
| 80  | 61.2 | 250.1 | 64,100 | 63.2 | 252.1 | 68,000 | 66.0 | 254.4 | 65,400 | 80  |
| 82  | 59.8 | 248.9 | 62,400 | 61.8 | 251.0 | 66,000 | 64.2 | 253.4 | 63,400 | 82  |
| 85  | 58.8 | 247.2 | 59,900 | 60.8 | 249.3 | 62,900 | 63.7 | 252.0 | 60,400 | 85  |
| 90  | 56.4 | 243.9 | 55,700 | 58.4 | 246.3 | 58,400 | 61.4 | 249.3 | 56,000 | 90  |
| 95  | 53.9 | 240.4 | 51,800 | 56.0 | 243.1 | 54,400 | 59.0 | 246.4 | 52,200 | 95  |
| 100 | 51.3 | 236.5 | 48,100 | 53.5 | 239.5 | 50,800 | 56.6 | 243.2 | 48,700 | 100 |
| 103 | 49.2 | 233.9 | 46,200 | 51.2 | 237.1 | 48,900 | 54.8 | 241.1 | 46,900 | 103 |
| 105 | 48.6 | 232.2 | 44,800 | 50.9 | 235.5 | 47,600 | 54.1 | 239.7 | 45,700 | 105 |
| 110 | 45.8 | 227.5 | 41,800 | 48.1 | 231.1 | 44,800 | 51.5 | 235.8 | 42,900 | 110 |
| 115 | 42.8 | 222.2 | 39,100 | 45.3 | 226.3 | 42,200 | 48.8 | 231.5 | 40,400 | 115 |
| 120 | 39.7 | 216.4 | 36,700 | 42.3 | 221.0 | 39,800 | 46.0 | 226.9 | 38,100 | 120 |
| 124 | 36.6 | 211.2 | 34,900 | 39.6 | 216.3 | 38,100 | 43.6 | 222.7 | 36,400 | 124 |
| 125 | 36.3 | 209.9 | 34,500 | 39.2 | 215.1 | 37,600 | 43.1 | 221.7 | 36,000 | 125 |
| 130 | 32.7 | 202.5 | 32,500 | 35.7 | 208.5 | 35,600 | 40.0 | 215.9 | 34,100 | 130 |
| 135 | 28.6 | 193.9 | 30,900 | 32.0 | 200.9 | 33,800 | 36.6 | 209.5 | 32,300 | 135 |
| 140 | 23.9 | 183.5 | 29,500 | 27.9 | 192.0 | 32,100 | 33.0 | 202.1 | 30,700 | 140 |
| 143 | 19.4 | 175.4 | 28,900 | 24.0 | 185.5 | 31,100 | 29.6 | 197.0 | 29,800 | 143 |
| 145 | 18.0 | 170.0 | 28,500 | 23.0 | 181.2 | 30,500 | 28.9 | 193.6 | 29,200 | 145 |
| 150 | 8.8  | 148.1 | 27,200 | 16.8 | 167.0 | 29,000 | 24.3 | 183.4 | 27,700 | 150 |
| 151 | 5.1  | 139.2 | 25,600 | 13.8 | 161.8 | 28,500 | 22.8 | 180.8 | 27,500 | 151 |
| 155 |      |       |        | 5.9  | 140.9 | 26,700 | 18.5 | 170.3 | 26,400 | 155 |
| 160 |      |       |        |      |       |        | 9.9  | 149.8 | 25,100 | 160 |
| 161 |      |       |        |      |       |        | 6.9  | 142.5 | 24,800 | 161 |
| 165 |      |       |        |      |       |        |      |       |        | 165 |
| 168 |      |       |        |      |       |        |      |       |        | 168 |
| 170 |      |       |        |      |       |        |      |       |        | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 175 |
| 178 |      |       |        |      |       |        |      |       |        | 178 |
| 180 |      |       |        |      |       |        |      |       |        | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 185 |
| 188 |      |       |        |      |       |        |      |       |        | 188 |
| 190 |      |       |        |      |       |        |      |       |        | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 195 |
| 197 |      |       |        |      |       |        |      |       |        | 197 |

# MLC250 S-2

ASME B30.5



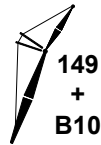
184,600 lb  
+  
44,000 lb



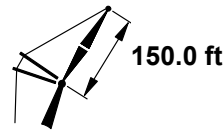
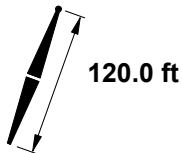
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  | 67.9 | 255.2 | 60,700 |      |       |        |      |       |        |      |       |        | 82  |
| 85  | 66.5 | 253.9 | 57,900 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 64.3 | 251.5 | 53,700 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 62.0 | 248.9 | 50,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 59.6 | 246.1 | 46,700 |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 57.8 | 244.2 | 44,900 | 63.0 | 247.6 | 41,600 |      |       |        |      |       |        | 103 |
| 105 | 57.2 | 242.9 | 43,700 | 62.1 | 246.6 | 40,500 |      |       |        |      |       |        | 105 |
| 110 | 54.7 | 239.5 | 41,100 | 59.7 | 243.7 | 38,000 |      |       |        |      |       |        | 110 |
| 115 | 52.1 | 235.7 | 38,600 | 57.3 | 240.6 | 35,800 |      |       |        |      |       |        | 115 |
| 120 | 49.5 | 231.6 | 36,400 | 54.8 | 237.2 | 33,700 |      |       |        |      |       |        | 120 |
| 124 | 46.6 | 227.9 | 34,800 | 52.4 | 234.1 | 32,200 | 57.7 | 237.9 | 29,600 |      |       |        | 124 |
| 125 | 46.7 | 227.0 | 34,400 | 52.2 | 233.4 | 31,800 | 57.2 | 237.2 | 29,200 |      |       |        | 125 |
| 130 | 43.8 | 221.9 | 32,600 | 49.6 | 229.3 | 30,100 | 54.8 | 233.8 | 27,600 |      |       |        | 130 |
| 135 | 40.7 | 216.3 | 30,900 | 46.8 | 224.7 | 28,500 | 52.2 | 230.0 | 26,100 |      |       |        | 135 |
| 140 | 37.4 | 210.1 | 29,300 | 43.9 | 219.7 | 27,000 | 49.5 | 225.9 | 24,700 |      |       |        | 140 |
| 143 | 34.6 | 205.8 | 28,400 | 41.2 | 216.3 | 26,200 | 47.2 | 223.1 | 24,000 | 53.0 | 227.1 | 21,800 | 143 |
| 145 | 33.9 | 202.9 | 27,800 | 40.8 | 214.1 | 25,600 | 46.8 | 221.3 | 23,400 | 52.0 | 225.5 | 21,300 | 145 |
| 150 | 30.0 | 194.8 | 26,500 | 37.6 | 207.8 | 24,300 | 43.9 | 216.3 | 22,200 | 49.3 | 221.3 | 20,200 | 150 |
| 151 | 28.2 | 192.8 | 26,200 | 36.4 | 206.4 | 24,100 | 42.4 | 215.1 | 22,000 | 48.4 | 220.4 | 20,000 | 151 |
| 155 | 25.5 | 185.0 | 25,200 | 34.0 | 200.8 | 23,100 | 40.8 | 210.7 | 21,100 | 46.5 | 216.7 | 19,200 | 155 |
| 160 | 20.1 | 172.8 | 24,000 | 30.1 | 192.6 | 22,000 | 37.5 | 204.4 | 20,100 | 43.6 | 211.6 | 18,200 | 160 |
| 161 | 18.4 | 169.2 | 23,700 | 29.0 | 190.7 | 21,800 | 36.2 | 203.0 | 19,900 | 42.4 | 210.5 | 18,000 | 161 |
| 165 | 12.5 | 155.1 | 22,800 | 25.6 | 182.9 | 21,000 | 34.0 | 197.3 | 19,100 | 40.5 | 206.0 | 17,300 | 165 |
| 168 | 2.2  | 130.1 | 22,100 | 22.0 | 175.7 | 20,400 | 31.2 | 192.4 | 18,500 | 38.2 | 202.2 | 16,800 | 168 |
| 170 |      |       |        | 20.3 | 170.8 | 20,000 | 30.0 | 189.1 | 18,200 | 37.2 | 199.7 | 16,400 | 170 |
| 175 |      |       |        | 12.9 | 153.5 | 19,000 | 25.6 | 179.4 | 17,300 | 33.7 | 192.5 | 15,600 | 175 |
| 178 |      |       |        | 3.9  | 131.7 | 18,400 | 22.0 | 172.1 | 16,800 | 30.6 | 187.5 | 15,100 | 178 |
| 180 |      |       |        |      |       |        | 20.2 | 167.3 | 16,500 | 29.7 | 184.2 | 14,800 | 180 |
| 185 |      |       |        |      |       |        | 12.7 | 149.8 | 15,600 | 25.2 | 174.4 | 14,100 | 185 |
| 188 |      |       |        |      |       |        | 3.3  | 126.9 | 15,100 | 21.4 | 166.9 | 13,700 | 188 |
| 190 |      |       |        |      |       |        |      |       |        | 19.7 | 162.0 | 13,400 | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 11.9 | 143.7 | 12,700 | 195 |
| 197 |      |       |        |      |       |        |      |       |        | 6.5  | 130.6 | 12,400 | 197 |

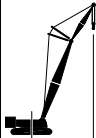
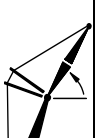
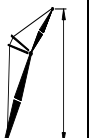
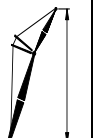
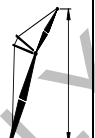
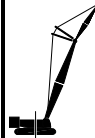
# MLC250 S-2

ASME B30.5



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 49                                                                                | 76.0                                                                                  | 273.3                                                                             | 72,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 49                                                                                  |
| 50                                                                                | 75.6                                                                                  | 273.0                                                                             | 72,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 73.6                                                                                  | 271.6                                                                             | 71,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 59                                                                                | 71.4                                                                                  | 270.3                                                                             | 70,100                                                                            | 73.7                                                                                  | 271.3                                                                             | 82,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 59                                                                                  |
| 60                                                                                | 71.6                                                                                  | 270.0                                                                             | 69,800                                                                            | 73.3                                                                                  | 271.0                                                                             | 81,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 69.6                                                                                  | 268.2                                                                             | 68,700                                                                            | 71.3                                                                                  | 269.4                                                                             | 77,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 67.5                                                                                  | 266.1                                                                             | 67,500                                                                            | 69.2                                                                                  | 267.5                                                                             | 73,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 72                                                                                | 66.2                                                                                  | 265.2                                                                             | 66,900                                                                            | 68.2                                                                                  | 266.7                                                                             | 72,100                                                                            | 71.0                                                                                    | 268.4                                                                               | 74,800                                                                              | 72                                                                                  |
| 75                                                                                | 65.4                                                                                  | 263.9                                                                             | 66,000                                                                            | 67.2                                                                                  | 265.5                                                                             | 69,900                                                                            | 69.7                                                                                    | 267.3                                                                               | 70,900                                                                              | 75                                                                                  |
| 80                                                                                | 63.3                                                                                  | 261.5                                                                             | 62,000                                                                            | 65.1                                                                                  | 263.2                                                                             | 66,500                                                                            | 67.7                                                                                    | 265.3                                                                               | 65,200                                                                              | 80                                                                                  |
| 85                                                                                | 61.1                                                                                  | 258.8                                                                             | 58,000                                                                            | 62.9                                                                                  | 260.7                                                                             | 62,700                                                                            | 65.6                                                                                    | 263.1                                                                               | 60,200                                                                              | 85                                                                                  |
| 86                                                                                | 60.4                                                                                  | 258.2                                                                             | 57,300                                                                            | 61.6                                                                                  | 260.2                                                                             | 61,800                                                                            | 64.6                                                                                    | 262.6                                                                               | 59,300                                                                              | 86                                                                                  |
| 90                                                                                | 58.9                                                                                  | 255.8                                                                             | 54,400                                                                            | 60.8                                                                                  | 258.0                                                                             | 58,200                                                                            | 63.5                                                                                    | 260.7                                                                               | 55,900                                                                              | 90                                                                                  |
| 95                                                                                | 56.6                                                                                  | 252.6                                                                             | 50,800                                                                            | 58.5                                                                                  | 255.0                                                                             | 54,200                                                                            | 61.3                                                                                    | 258.0                                                                               | 52,000                                                                              | 95                                                                                  |
| 100                                                                               | 54.3                                                                                  | 249.1                                                                             | 47,500                                                                            | 56.3                                                                                  | 251.8                                                                             | 50,600                                                                            | 59.1                                                                                    | 255.1                                                                               | 48,600                                                                              | 100                                                                                 |
| 105                                                                               | 51.9                                                                                  | 245.3                                                                             | 44,200                                                                            | 53.9                                                                                  | 248.2                                                                             | 47,500                                                                            | 56.8                                                                                    | 251.9                                                                               | 45,500                                                                              | 105                                                                                 |
| 108                                                                               | 49.8                                                                                  | 242.8                                                                             | 42,500                                                                            | 51.8                                                                                  | 245.9                                                                             | 45,700                                                                            | 54.8                                                                                    | 249.8                                                                               | 43,800                                                                              | 108                                                                                 |
| 110                                                                               | 49.4                                                                                  | 241.1                                                                             | 41,400                                                                            | 51.5                                                                                  | 244.3                                                                             | 44,600                                                                            | 54.5                                                                                    | 248.4                                                                               | 42,700                                                                              | 110                                                                                 |
| 115                                                                               | 46.8                                                                                  | 236.6                                                                             | 38,700                                                                            | 49.0                                                                                  | 240.1                                                                             | 42,000                                                                            | 52.1                                                                                    | 244.6                                                                               | 40,200                                                                              | 115                                                                                 |
| 120                                                                               | 44.1                                                                                  | 231.6                                                                             | 36,300                                                                            | 46.4                                                                                  | 235.5                                                                             | 39,700                                                                            | 49.6                                                                                    | 240.5                                                                               | 38,000                                                                              | 120                                                                                 |
| 125                                                                               | 41.3                                                                                  | 226.0                                                                             | 34,100                                                                            | 43.7                                                                                  | 230.4                                                                             | 37,500                                                                            | 47.1                                                                                    | 235.9                                                                               | 35,900                                                                              | 125                                                                                 |
| 129                                                                               | 38.6                                                                                  | 221.1                                                                             | 32,500                                                                            | 40.6                                                                                  | 225.9                                                                             | 35,900                                                                            | 44.6                                                                                    | 232.0                                                                               | 34,400                                                                              | 129                                                                                 |
| 130                                                                               | 38.3                                                                                  | 219.9                                                                             | 32,100                                                                            | 40.8                                                                                  | 224.8                                                                             | 35,500                                                                            | 44.4                                                                                    | 231.0                                                                               | 34,000                                                                              | 130                                                                                 |
| 135                                                                               | 35.0                                                                                  | 213.1                                                                             | 30,400                                                                            | 37.8                                                                                  | 218.6                                                                             | 33,700                                                                            | 41.5                                                                                    | 225.5                                                                               | 32,200                                                                              | 135                                                                                 |
| 140                                                                               | 31.5                                                                                  | 205.3                                                                             | 28,800                                                                            | 34.5                                                                                  | 211.6                                                                             | 32,000                                                                            | 38.5                                                                                    | 219.5                                                                               | 30,600                                                                              | 140                                                                                 |
| 145                                                                               | 27.6                                                                                  | 196.3                                                                             | 27,400                                                                            | 30.9                                                                                  | 203.6                                                                             | 30,400                                                                            | 35.3                                                                                    | 212.7                                                                               | 29,100                                                                              | 145                                                                                 |
| 149                                                                               | 23.8                                                                                  | 187.7                                                                             | 26,600                                                                            | 26.8                                                                                  | 196.2                                                                             | 29,200                                                                            | 31.8                                                                                    | 206.5                                                                               | 27,900                                                                              | 149                                                                                 |
| 150                                                                               | 23.0                                                                                  | 185.5                                                                             | 26,400                                                                            | 26.9                                                                                  | 194.4                                                                             | 28,900                                                                            | 31.8                                                                                    | 205.0                                                                               | 27,700                                                                              | 150                                                                                 |
| 155                                                                               | 17.4                                                                                  | 171.5                                                                             | 25,600                                                                            | 22.2                                                                                  | 183.2                                                                             | 27,600                                                                            | 27.9                                                                                    | 196.1                                                                               | 26,300                                                                              | 155                                                                                 |
| 160                                                                               | 8.4                                                                                   | 148.8                                                                             | 24,300                                                                            | 16.2                                                                                  | 168.4                                                                             | 26,300                                                                            | 23.4                                                                                    | 185.5                                                                               | 25,100                                                                              | 160                                                                                 |
| 161                                                                               | 4.9                                                                                   | 139.5                                                                             | 22,900                                                                            | 13.8                                                                                  | 163.0                                                                             | 25,800                                                                            | 21.8                                                                                    | 182.8                                                                               | 24,800                                                                              | 161                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.7                                                                                   | 141.4                                                                             | 23,800                                                                            | 17.9                                                                                    | 171.9                                                                               | 23,900                                                                              | 165                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 9.5                                                                                     | 150.6                                                                               | 22,800                                                                              | 170                                                                                 |
| 171                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.6                                                                                     | 143.1                                                                               | 22,500                                                                              | 171                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 178                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 178                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 188                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 188                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 198                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 207                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 207                                                                                 |

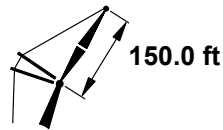
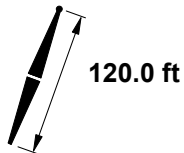


# MLC250 S-2

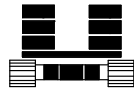
ASME B30.5



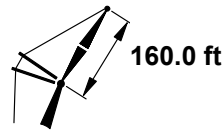
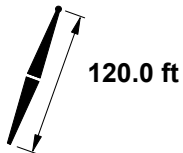
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 86  | 67.8 | 264.3 | 56,800 |      |       |        |      |       |        |      |       |        | 86  |
| 90  | 66.1 | 262.6 | 53,500 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.0 | 260.2 | 49,800 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 61.8 | 257.6 | 46,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 59.6 | 254.7 | 43,600 |      |       |        |      |       |        |      |       |        | 105 |
| 108 | 57.8 | 252.9 | 42,000 | 62.8 | 256.3 | 38,800 |      |       |        |      |       |        | 108 |
| 110 | 57.4 | 251.6 | 40,900 | 61.9 | 255.2 | 37,800 |      |       |        |      |       |        | 110 |
| 115 | 55.1 | 248.2 | 38,500 | 59.7 | 252.4 | 35,600 |      |       |        |      |       |        | 115 |
| 120 | 52.7 | 244.5 | 36,300 | 57.5 | 249.3 | 33,500 |      |       |        |      |       |        | 120 |
| 125 | 50.2 | 240.4 | 34,300 | 55.2 | 245.9 | 31,600 |      |       |        |      |       |        | 125 |
| 129 | 47.6 | 236.9 | 32,800 | 52.6 | 242.9 | 30,200 | 57.9 | 246.5 | 27,700 |      |       |        | 129 |
| 130 | 47.7 | 236.0 | 32,400 | 52.8 | 242.2 | 29,900 | 57.4 | 245.9 | 27,400 |      |       |        | 130 |
| 135 | 45.0 | 231.2 | 30,700 | 50.3 | 238.1 | 28,300 | 55.1 | 242.5 | 25,900 |      |       |        | 135 |
| 140 | 42.2 | 225.8 | 29,200 | 47.8 | 233.7 | 26,800 | 52.7 | 238.8 | 24,500 |      |       |        | 140 |
| 145 | 39.3 | 219.9 | 27,700 | 45.1 | 228.9 | 25,500 | 50.3 | 234.7 | 23,300 |      |       |        | 145 |
| 149 | 36.6 | 214.6 | 26,600 | 42.6 | 224.6 | 24,500 | 47.6 | 231.2 | 22,300 | 53.0 | 235.1 | 20,200 | 149 |
| 150 | 36.1 | 213.3 | 26,400 | 42.3 | 223.6 | 24,200 | 47.7 | 230.3 | 22,100 | 52.5 | 234.3 | 20,000 | 150 |
| 155 | 32.7 | 205.9 | 25,100 | 39.4 | 217.7 | 23,000 | 45.1 | 225.5 | 21,000 | 50.1 | 230.2 | 19,000 | 155 |
| 160 | 28.9 | 197.3 | 23,900 | 36.2 | 211.1 | 21,900 | 42.3 | 220.1 | 19,900 | 47.5 | 225.8 | 18,000 | 160 |
| 161 | 27.2 | 195.3 | 23,700 | 35.2 | 209.6 | 21,700 | 41.4 | 219.0 | 19,700 | 46.4 | 224.8 | 17,800 | 161 |
| 165 | 24.6 | 187.2 | 22,800 | 32.8 | 203.7 | 20,900 | 39.3 | 214.3 | 19,000 | 44.9 | 220.9 | 17,100 | 165 |
| 170 | 19.4 | 174.5 | 21,700 | 29.0 | 195.2 | 19,900 | 36.2 | 207.7 | 18,000 | 42.1 | 215.5 | 16,300 | 170 |
| 171 | 17.6 | 170.8 | 21,500 | 28.0 | 193.2 | 19,700 | 35.2 | 206.2 | 17,900 | 41.4 | 214.3 | 16,100 | 171 |
| 175 | 12.1 | 156.1 | 20,700 | 24.7 | 185.1 | 18,900 | 32.8 | 200.3 | 17,200 | 39.1 | 209.6 | 15,400 | 175 |
| 178 | 2.1  | 130.2 | 20,000 | 21.0 | 177.6 | 18,400 | 29.6 | 195.1 | 16,700 | 36.6 | 205.6 | 15,000 | 178 |
| 180 |      |       |        | 19.6 | 172.5 | 18,000 | 29.0 | 191.7 | 16,400 | 35.9 | 202.9 | 14,700 | 180 |
| 185 |      |       |        | 12.4 | 154.5 | 17,200 | 24.7 | 181.6 | 15,600 | 32.5 | 195.4 | 14,000 | 185 |
| 188 |      |       |        | 3.7  | 131.9 | 16,600 | 21.0 | 174.0 | 15,100 | 29.6 | 190.2 | 13,500 | 188 |
| 190 |      |       |        |      |       |        | 19.5 | 169.0 | 14,800 | 28.7 | 186.8 | 13,300 | 190 |
| 195 |      |       |        |      |       |        | 12.3 | 150.8 | 14,100 | 24.3 | 176.5 | 12,600 | 195 |
| 198 |      |       |        |      |       |        | 3.2  | 127.2 | 13,600 | 21.0 | 168.8 | 12,200 | 198 |
| 200 |      |       |        |      |       |        |      |       |        | 19.0 | 163.6 | 12,000 | 200 |
| 207 |      |       |        |      |       |        |      |       |        | 6.3  | 131.1 | 11,100 | 207 |



184,600 lb  
+  
44,000 lb



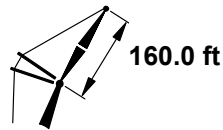
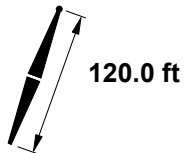
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| 52  | 75.8 | 282.8 | 65,900 |      |       |        |      |       |        | 52  |
| 55  | 74.7 | 282.0 | 65,400 |      |       |        |      |       |        | 55  |
| 60  | 72.8 | 280.5 | 64,000 |      |       |        |      |       |        | 60  |
| 61  | 71.6 | 280.2 | 63,800 | 74.0 | 281.2 | 75,600 |      |       |        | 61  |
| 65  | 70.9 | 278.8 | 63,000 | 72.5 | 279.9 | 74,800 |      |       |        | 65  |
| 70  | 69.0 | 276.9 | 62,500 | 70.6 | 278.2 | 71,200 |      |       |        | 70  |
| 75  | 67.1 | 274.9 | 61,100 | 68.7 | 276.3 | 67,800 |      |       |        | 75  |
| 76  | 66.6 | 274.4 | 60,800 | 67.6 | 275.9 | 67,200 | 70.7 | 277.6 | 69,300 | 76  |
| 80  | 65.1 | 272.6 | 59,500 | 66.7 | 274.2 | 64,600 | 69.2 | 276.1 | 64,700 | 80  |
| 85  | 63.1 | 270.1 | 56,000 | 64.8 | 271.9 | 61,600 | 67.2 | 274.0 | 59,700 | 85  |
| 90  | 61.1 | 267.4 | 52,700 | 62.8 | 269.4 | 57,800 | 65.3 | 271.8 | 55,400 | 90  |
| 95  | 59.0 | 264.5 | 49,500 | 60.7 | 266.7 | 53,800 | 63.3 | 269.3 | 51,500 | 95  |
| 100 | 56.9 | 261.3 | 46,500 | 58.6 | 263.7 | 50,200 | 61.2 | 266.6 | 48,100 | 100 |
| 105 | 54.7 | 257.8 | 43,600 | 56.5 | 260.4 | 47,100 | 59.2 | 263.7 | 45,100 | 105 |
| 110 | 52.4 | 254.1 | 40,900 | 54.3 | 256.9 | 44,200 | 57.0 | 260.6 | 42,300 | 110 |
| 112 | 51.2 | 252.4 | 39,800 | 53.2 | 255.4 | 43,200 | 55.8 | 259.2 | 41,300 | 112 |
| 115 | 50.1 | 250.0 | 38,200 | 52.1 | 253.1 | 41,600 | 54.9 | 257.1 | 39,800 | 115 |
| 120 | 47.7 | 245.6 | 35,900 | 49.7 | 249.0 | 39,300 | 52.6 | 253.4 | 37,500 | 120 |
| 125 | 45.3 | 240.8 | 33,800 | 47.3 | 244.5 | 37,100 | 50.3 | 249.3 | 35,400 | 125 |
| 130 | 42.7 | 235.5 | 31,800 | 44.8 | 239.6 | 35,100 | 47.9 | 244.9 | 33,500 | 130 |
| 134 | 39.6 | 230.8 | 30,400 | 42.4 | 235.3 | 33,700 | 45.4 | 241.1 | 32,100 | 134 |
| 135 | 39.9 | 229.7 | 30,100 | 42.2 | 234.3 | 33,300 | 45.5 | 240.2 | 31,800 | 135 |
| 140 | 37.0 | 223.3 | 28,400 | 39.4 | 228.4 | 31,600 | 42.9 | 234.9 | 30,200 | 140 |
| 145 | 33.9 | 216.1 | 27,000 | 36.5 | 221.9 | 30,000 | 40.1 | 229.2 | 28,700 | 145 |
| 150 | 30.5 | 208.0 | 25,700 | 33.3 | 214.6 | 28,600 | 37.3 | 222.8 | 27,200 | 150 |
| 155 | 26.7 | 198.7 | 24,600 | 29.9 | 206.3 | 27,200 | 34.2 | 215.8 | 25,900 | 155 |
| 160 | 22.3 | 187.5 | 23,600 | 26.0 | 196.7 | 25,900 | 30.8 | 207.8 | 24,700 | 160 |
| 165 | 16.8 | 173.0 | 23,100 | 21.5 | 185.1 | 24,700 | 27.0 | 198.5 | 23,600 | 165 |
| 170 | 8.2  | 149.5 | 21,400 | 15.7 | 169.8 | 23,600 | 22.7 | 187.5 | 22,500 | 170 |
| 171 | 4.7  | 139.9 | 20,100 | 13.0 | 164.2 | 23,100 | 21.0 | 184.7 | 22,300 | 171 |
| 175 |      |       |        | 5.5  | 141.8 | 21,000 | 17.3 | 173.4 | 21,400 | 175 |
| 180 |      |       |        |      |       |        | 9.2  | 151.4 | 20,400 | 180 |
| 181 |      |       |        |      |       |        | 6.4  | 143.6 | 20,200 | 181 |
| 185 |      |       |        |      |       |        |      |       |        | 185 |
| 188 |      |       |        |      |       |        |      |       |        | 188 |
| 190 |      |       |        |      |       |        |      |       |        | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 195 |
| 198 |      |       |        |      |       |        |      |       |        | 198 |
| 200 |      |       |        |      |       |        |      |       |        | 200 |
| 205 |      |       |        |      |       |        |      |       |        | 205 |
| 208 |      |       |        |      |       |        |      |       |        | 208 |
| 210 |      |       |        |      |       |        |      |       |        | 210 |
| 215 |      |       |        |      |       |        |      |       |        | 215 |
| 217 |      |       |        |      |       |        |      |       |        | 217 |

# MLC250 S-2

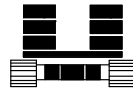
ASME B30.5



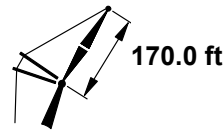
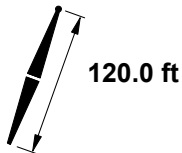
184,600 lb  
+  
44,000 lb

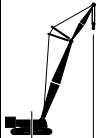
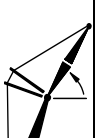
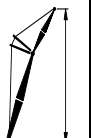
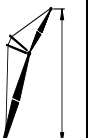


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 67.7 | 273.5 | 53,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 65.7 | 271.3 | 49,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 63.7 | 268.9 | 46,000 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.7 | 266.3 | 43,100 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 59.7 | 263.4 | 40,400 |      |       |        |      |       |        |      |       |        | 110 |
| 112 | 58.2 | 262.2 | 39,400 | 63.0 | 265.5 | 36,400 |      |       |        |      |       |        | 112 |
| 115 | 57.6 | 260.3 | 38,000 | 61.8 | 263.9 | 35,000 |      |       |        |      |       |        | 115 |
| 120 | 55.4 | 256.9 | 35,800 | 59.7 | 261.0 | 33,000 |      |       |        |      |       |        | 120 |
| 125 | 53.2 | 253.3 | 33,800 | 57.6 | 258.0 | 31,100 |      |       |        |      |       |        | 125 |
| 130 | 50.9 | 249.3 | 32,000 | 55.5 | 254.6 | 29,400 |      |       |        |      |       |        | 130 |
| 134 | 48.4 | 245.8 | 30,600 | 53.4 | 251.7 | 28,100 | 58.0 | 255.2 | 25,600 |      |       |        | 134 |
| 135 | 48.5 | 245.0 | 30,300 | 53.3 | 250.9 | 27,800 | 57.6 | 254.6 | 25,400 |      |       |        | 135 |
| 140 | 46.1 | 240.3 | 28,700 | 51.0 | 247.0 | 26,300 | 55.4 | 251.2 | 24,000 |      |       |        | 140 |
| 145 | 43.5 | 235.2 | 27,300 | 48.6 | 242.7 | 25,000 | 53.2 | 247.6 | 22,700 |      |       |        | 145 |
| 150 | 40.8 | 229.6 | 25,900 | 46.2 | 238.0 | 23,700 | 50.9 | 243.6 | 21,500 |      |       |        | 150 |
| 155 | 38.0 | 223.4 | 24,700 | 43.6 | 232.9 | 22,500 | 48.6 | 239.3 | 20,400 | 53.0 | 243.1 | 18,400 | 155 |
| 160 | 34.9 | 216.5 | 23,500 | 40.9 | 227.3 | 21,400 | 46.1 | 234.6 | 19,400 | 50.7 | 239.1 | 17,400 | 160 |
| 165 | 31.6 | 208.7 | 22,400 | 38.1 | 221.1 | 20,400 | 43.6 | 229.5 | 18,400 | 48.4 | 234.7 | 16,500 | 165 |
| 170 | 28.0 | 199.8 | 21,300 | 35.0 | 214.3 | 19,400 | 40.9 | 223.9 | 17,500 | 45.9 | 230.0 | 15,700 | 170 |
| 171 | 26.2 | 197.7 | 21,100 | 34.2 | 212.7 | 19,200 | 39.6 | 222.7 | 17,400 | 44.6 | 229.0 | 15,500 | 171 |
| 175 | 23.8 | 189.3 | 20,300 | 31.7 | 206.6 | 18,500 | 38.0 | 217.7 | 16,700 | 43.3 | 224.9 | 14,900 | 175 |
| 180 | 18.7 | 176.1 | 19,400 | 28.1 | 197.7 | 17,600 | 35.0 | 210.8 | 15,900 | 40.6 | 219.2 | 14,100 | 180 |
| 181 | 16.6 | 172.3 | 19,200 | 27.0 | 195.6 | 17,500 | 33.4 | 209.3 | 15,700 | 39.4 | 218.0 | 14,000 | 181 |
| 185 | 11.7 | 157.1 | 18,500 | 23.9 | 187.2 | 16,800 | 31.7 | 203.1 | 15,100 | 37.8 | 213.0 | 13,400 | 185 |
| 188 | 2.0  | 130.3 | 17,900 | 20.0 | 179.4 | 16,300 | 29.2 | 197.8 | 14,700 | 35.2 | 208.8 | 13,000 | 188 |
| 190 |      |       |        | 18.9 | 174.2 | 16,000 | 28.0 | 194.2 | 14,400 | 34.7 | 206.1 | 12,800 | 190 |
| 195 |      |       |        | 12.0 | 155.5 | 15,200 | 23.9 | 183.7 | 13,700 | 31.4 | 198.2 | 12,100 | 195 |
| 198 |      |       |        | 3.6  | 132.2 | 14,700 | 20.0 | 175.9 | 13,300 | 28.6 | 192.8 | 11,700 | 198 |
| 200 |      |       |        |      |       |        | 18.8 | 170.6 | 13,000 | 27.7 | 189.3 | 11,500 | 200 |
| 205 |      |       |        |      |       |        | 11.9 | 151.8 | 12,300 | 23.5 | 178.6 | 10,900 | 205 |
| 208 |      |       |        |      |       |        | 3.0  | 127.4 | 11,900 | 20.0 | 170.6 | 10,600 | 208 |
| 210 |      |       |        |      |       |        |      |       |        | 18.4 | 165.2 | 10,300 | 210 |
| 215 |      |       |        |      |       |        |      |       |        | 11.1 | 145.6 | 9,800  | 215 |
| 217 |      |       |        |      |       |        |      |       |        | 6.0  | 131.6 | 9,500  | 217 |



184,600 lb  
+  
44,000 lb



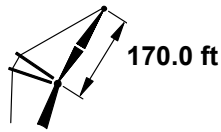
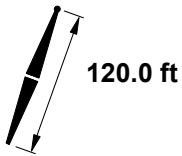
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 54                                                                                   | 75.9                                                                                  | 292.6                                                                                | 60,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 54                                                                                     |
| 55                                                                                   | 75.6                                                                                  | 292.4                                                                                | 59,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 73.8                                                                                  | 291.0                                                                                | 59,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 64                                                                                   | 72.2                                                                                  | 289.7                                                                                | 58,100                                                                               | 73.9                                                                                  | 290.7                                                                                | 68,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 64                                                                                     |
| 65                                                                                   | 72.1                                                                                  | 289.4                                                                                | 57,900                                                                               | 73.6                                                                                  | 290.4                                                                                | 68,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 70.3                                                                                  | 287.6                                                                                | 57,400                                                                               | 71.8                                                                                  | 288.8                                                                                | 67,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 68.5                                                                                  | 285.7                                                                                | 56,300                                                                               | 70.0                                                                                  | 287.0                                                                                | 65,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 79                                                                                   | 66.4                                                                                  | 284.0                                                                                | 55,600                                                                               | 68.2                                                                                  | 285.5                                                                                | 63,500                                                                               | 70.8                                                                                    | 287.1                                                                                  | 65,400                                                                                 | 79                                                                                     |
| 80                                                                                   | 66.7                                                                                  | 283.6                                                                                | 55,500                                                                               | 68.2                                                                                  | 285.1                                                                                | 62,900                                                                               | 70.4                                                                                    | 286.8                                                                                  | 64,400                                                                                 | 80                                                                                     |
| 85                                                                                   | 64.8                                                                                  | 281.3                                                                                | 53,900                                                                               | 66.4                                                                                  | 282.9                                                                                | 60,000                                                                               | 68.6                                                                                    | 284.9                                                                                  | 59,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 62.9                                                                                  | 278.8                                                                                | 51,000                                                                               | 64.5                                                                                  | 280.6                                                                                | 57,400                                                                               | 66.8                                                                                    | 282.8                                                                                  | 55,000                                                                                 | 90                                                                                     |
| 93                                                                                   | 60.8                                                                                  | 277.2                                                                                | 49,200                                                                               | 62.8                                                                                  | 279.1                                                                                | 55,000                                                                               | 64.8                                                                                    | 281.4                                                                                  | 52,700                                                                                 | 93                                                                                     |
| 95                                                                                   | 61.0                                                                                  | 276.1                                                                                | 48,100                                                                               | 62.6                                                                                  | 278.1                                                                                | 53,400                                                                               | 65.0                                                                                    | 280.5                                                                                  | 51,200                                                                                 | 95                                                                                     |
| 100                                                                                  | 59.0                                                                                  | 273.1                                                                                | 45,400                                                                               | 60.7                                                                                  | 275.3                                                                                | 49,900                                                                               | 63.1                                                                                    | 278.0                                                                                  | 47,800                                                                                 | 100                                                                                    |
| 105                                                                                  | 57.0                                                                                  | 270.0                                                                                | 42,700                                                                               | 58.7                                                                                  | 272.3                                                                                | 46,700                                                                               | 61.2                                                                                    | 275.3                                                                                  | 44,700                                                                                 | 105                                                                                    |
| 110                                                                                  | 55.0                                                                                  | 266.6                                                                                | 40,200                                                                               | 56.7                                                                                  | 269.1                                                                                | 43,900                                                                               | 59.2                                                                                    | 272.4                                                                                  | 41,900                                                                                 | 110                                                                                    |
| 115                                                                                  | 52.9                                                                                  | 262.9                                                                                | 37,800                                                                               | 54.7                                                                                  | 265.7                                                                                | 41,300                                                                               | 57.2                                                                                    | 269.2                                                                                  | 39,400                                                                                 | 115                                                                                    |
| 117                                                                                  | 51.2                                                                                  | 261.3                                                                                | 36,900                                                                               | 53.2                                                                                  | 264.2                                                                                | 40,300                                                                               | 56.2                                                                                    | 267.9                                                                                  | 38,500                                                                                 | 117                                                                                    |
| 120                                                                                  | 50.8                                                                                  | 258.9                                                                                | 35,500                                                                               | 52.6                                                                                  | 261.9                                                                                | 38,900                                                                               | 55.2                                                                                    | 265.8                                                                                  | 37,200                                                                                 | 120                                                                                    |
| 125                                                                                  | 48.5                                                                                  | 254.5                                                                                | 33,400                                                                               | 50.4                                                                                  | 257.9                                                                                | 36,800                                                                               | 53.1                                                                                    | 262.2                                                                                  | 35,100                                                                                 | 125                                                                                    |
| 130                                                                                  | 46.2                                                                                  | 249.9                                                                                | 31,600                                                                               | 48.2                                                                                  | 253.5                                                                                | 34,800                                                                               | 50.9                                                                                    | 258.2                                                                                  | 33,200                                                                                 | 130                                                                                    |
| 135                                                                                  | 43.8                                                                                  | 244.8                                                                                | 29,800                                                                               | 45.8                                                                                  | 248.8                                                                                | 33,000                                                                               | 48.7                                                                                    | 253.9                                                                                  | 31,400                                                                                 | 135                                                                                    |
| 140                                                                                  | 41.3                                                                                  | 239.3                                                                                | 28,200                                                                               | 43.4                                                                                  | 243.6                                                                                | 31,300                                                                               | 46.4                                                                                    | 249.3                                                                                  | 29,800                                                                                 | 140                                                                                    |
| 145                                                                                  | 38.7                                                                                  | 233.2                                                                                | 26,700                                                                               | 40.9                                                                                  | 238.0                                                                                | 29,700                                                                               | 44.0                                                                                    | 244.2                                                                                  | 28,300                                                                                 | 145                                                                                    |
| 150                                                                                  | 35.8                                                                                  | 226.5                                                                                | 25,300                                                                               | 38.2                                                                                  | 231.9                                                                                | 28,300                                                                               | 41.5                                                                                    | 238.7                                                                                  | 26,900                                                                                 | 150                                                                                    |
| 155                                                                                  | 32.8                                                                                  | 219.1                                                                                | 24,200                                                                               | 35.4                                                                                  | 225.1                                                                                | 26,900                                                                               | 38.9                                                                                    | 232.7                                                                                  | 25,600                                                                                 | 155                                                                                    |
| 160                                                                                  | 29.5                                                                                  | 210.7                                                                                | 23,100                                                                               | 32.3                                                                                  | 217.5                                                                                | 25,700                                                                               | 36.1                                                                                    | 226.1                                                                                  | 24,400                                                                                 | 160                                                                                    |
| 161                                                                                  | 28.2                                                                                  | 208.7                                                                                | 22,900                                                                               | 31.2                                                                                  | 215.8                                                                                | 25,400                                                                               | 35.4                                                                                    | 224.6                                                                                  | 24,200                                                                                 | 161                                                                                    |
| 165                                                                                  | 25.8                                                                                  | 201.0                                                                                | 22,100                                                                               | 29.0                                                                                  | 208.9                                                                                | 24,500                                                                               | 33.1                                                                                    | 218.7                                                                                  | 23,200                                                                                 | 165                                                                                    |
| 170                                                                                  | 21.6                                                                                  | 189.3                                                                                | 21,400                                                                               | 25.2                                                                                  | 198.9                                                                                | 23,300                                                                               | 29.8                                                                                    | 210.4                                                                                  | 22,200                                                                                 | 170                                                                                    |
| 175                                                                                  | 16.3                                                                                  | 174.4                                                                                | 20,900                                                                               | 20.8                                                                                  | 186.9                                                                                | 22,300                                                                               | 26.2                                                                                    | 200.8                                                                                  | 21,200                                                                                 | 175                                                                                    |
| 180                                                                                  | 7.9                                                                                   | 150.1                                                                                | 18,900                                                                               | 15.2                                                                                  | 171.1                                                                                | 21,300                                                                               | 22.0                                                                                    | 189.4                                                                                  | 20,200                                                                                 | 180                                                                                    |
| 181                                                                                  | 4.6                                                                                   | 140.3                                                                                | 17,700                                                                               | 13.0                                                                                  | 165.3                                                                                | 20,700                                                                               | 20.0                                                                                    | 186.5                                                                                  | 20,000                                                                                 | 181                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.3                                                                                   | 142.2                                                                                | 18,500                                                                               | 16.8                                                                                    | 174.8                                                                                  | 19,300                                                                                 | 185                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 8.9                                                                                     | 152.1                                                                                  | 18,300                                                                                 | 190                                                                                    |
| 191                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.2                                                                                     | 144.1                                                                                  | 18,200                                                                                 | 191                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 198                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 198                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 208                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 208                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 218                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 218                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 227                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 227                                                                                    |

# MLC250 S-2

ASME B30.5



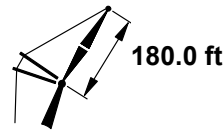
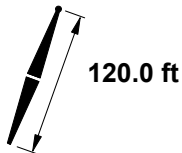
184,600 lb  
+  
44,000 lb

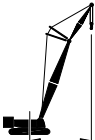
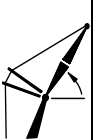
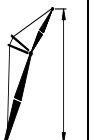
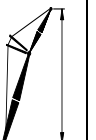
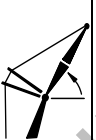
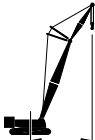


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  |      |       |        |      |       |        |      |       |        |      |       |        | 79  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 68.0 | 283.1 | 50,300 |      |       |        |      |       |        |      |       |        | 93  |
| 95  | 67.2 | 282.2 | 48,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.4 | 280.0 | 45,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.5 | 277.6 | 42,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.6 | 274.9 | 40,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 59.7 | 272.1 | 37,600 |      |       |        |      |       |        |      |       |        | 115 |
| 117 | 58.2 | 270.8 | 36,700 | 62.8 | 274.2 | 33,800 |      |       |        |      |       |        | 117 |
| 120 | 57.7 | 269.0 | 35,400 | 61.7 | 272.6 | 32,600 |      |       |        |      |       |        | 120 |
| 125 | 55.7 | 265.6 | 33,400 | 59.8 | 269.7 | 30,700 |      |       |        |      |       |        | 125 |
| 130 | 53.6 | 262.0 | 31,600 | 57.8 | 266.6 | 29,000 |      |       |        |      |       |        | 130 |
| 135 | 51.5 | 258.1 | 29,900 | 55.7 | 263.3 | 27,400 |      |       |        |      |       |        | 135 |
| 140 | 49.3 | 253.9 | 28,400 | 53.7 | 259.7 | 25,900 | 57.7 | 263.2 | 23,600 |      |       |        | 140 |
| 145 | 47.0 | 249.4 | 26,900 | 51.5 | 255.8 | 24,600 | 55.7 | 259.9 | 22,300 |      |       |        | 145 |
| 150 | 44.6 | 244.4 | 25,600 | 49.3 | 251.6 | 23,300 | 53.6 | 256.3 | 21,100 |      |       |        | 150 |
| 155 | 42.1 | 239.0 | 24,300 | 47.1 | 247.1 | 22,200 | 51.5 | 252.4 | 20,000 |      |       |        | 155 |
| 160 | 39.5 | 233.2 | 23,100 | 44.7 | 242.2 | 21,100 | 49.3 | 248.2 | 19,000 |      |       |        | 160 |
| 161 | 38.4 | 231.9 | 22,900 | 43.6 | 241.1 | 20,800 | 48.6 | 247.3 | 18,800 | 53.0 | 251.1 | 16,800 | 161 |
| 165 | 36.8 | 226.7 | 22,000 | 42.2 | 236.8 | 20,000 | 47.0 | 243.7 | 18,000 | 51.3 | 247.9 | 16,100 | 165 |
| 170 | 33.8 | 219.5 | 21,000 | 39.6 | 230.9 | 19,100 | 44.7 | 238.7 | 17,100 | 49.1 | 243.7 | 15,300 | 170 |
| 175 | 30.6 | 211.5 | 20,000 | 36.9 | 224.5 | 18,100 | 42.2 | 233.4 | 16,300 | 46.8 | 239.1 | 14,500 | 175 |
| 180 | 27.1 | 202.2 | 19,100 | 33.9 | 217.3 | 17,300 | 39.6 | 227.5 | 15,500 | 44.5 | 234.1 | 13,800 | 180 |
| 181 | 26.2 | 200.0 | 18,900 | 32.4 | 215.7 | 17,100 | 38.4 | 226.2 | 15,300 | 43.4 | 233.1 | 13,600 | 181 |
| 185 | 23.0 | 191.3 | 18,200 | 30.7 | 209.3 | 16,500 | 36.8 | 221.1 | 14,700 | 42.0 | 228.7 | 13,000 | 185 |
| 190 | 18.2 | 177.7 | 17,400 | 27.2 | 200.1 | 15,700 | 33.9 | 213.9 | 14,000 | 39.4 | 222.8 | 12,400 | 190 |
| 191 | 16.6 | 173.8 | 17,200 | 26.2 | 197.9 | 15,500 | 32.4 | 212.3 | 13,900 | 38.4 | 221.5 | 12,200 | 191 |
| 195 | 11.3 | 158.1 | 16,500 | 23.2 | 189.3 | 14,900 | 30.7 | 205.8 | 13,300 | 36.6 | 216.3 | 11,700 | 195 |
| 198 | 1.9  | 130.4 | 16,000 | 20.0 | 181.2 | 14,500 | 28.2 | 200.3 | 12,900 | 34.2 | 212.0 | 11,400 | 198 |
| 200 |      |       |        | 18.3 | 175.8 | 14,200 | 27.2 | 196.6 | 12,700 | 33.6 | 209.1 | 11,100 | 200 |
| 208 |      |       |        | 3.5  | 132.5 | 13,100 | 19.8 | 177.1 | 11,700 | 27.4 | 195.1 | 10,200 | 208 |
| 210 |      |       |        |      |       |        | 18.3 | 172.2 | 11,400 | 26.9 | 191.6 | 10,000 | 210 |
| 218 |      |       |        |      |       |        | 2.9  | 127.6 | 10,400 | 18.8 | 171.7 | 9,200  | 218 |
| 220 |      |       |        |      |       |        |      |       |        | 17.8 | 166.8 | 8,900  | 220 |
| 227 |      |       |        |      |       |        |      |       |        | 5.9  | 132.0 | 8,200  | 227 |



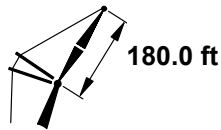
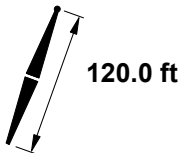
184,600 lb  
+  
44,000 lb



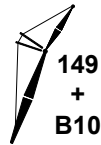
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 57                                                                                | 75.8                                                                                  | 302.2                                                                             | 54,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 74.8                                                                                  | 301.4                                                                             | 53,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 73.1                                                                                  | 299.9                                                                             | 53,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 67                                                                                | 72.2                                                                                  | 299.2                                                                             | 52,800                                                                            | 73.8                                                                                  | 300.3                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 67                                                                                  |
| 70                                                                                | 71.4                                                                                  | 298.2                                                                             | 52,400                                                                            | 72.8                                                                                  | 299.3                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 69.7                                                                                  | 296.4                                                                             | 51,700                                                                            | 71.2                                                                                  | 297.7                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 68.0                                                                                  | 294.5                                                                             | 50,700                                                                            | 69.5                                                                                  | 295.8                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 82                                                                                | 67.2                                                                                  | 293.6                                                                             | 50,500                                                                            | 68.2                                                                                  | 295.0                                                                             | 58,600                                                                            | 70.9                                                                                    | 296.7                                                                               | 58,900                                                                              | 82                                                                                  |
| 85                                                                                | 66.3                                                                                  | 292.3                                                                             | 50,100                                                                            | 67.7                                                                                  | 293.8                                                                             | 58,100                                                                            | 69.9                                                                                    | 295.6                                                                               | 58,800                                                                              | 85                                                                                  |
| 90                                                                                | 64.5                                                                                  | 290.0                                                                             | 49,300                                                                            | 66.0                                                                                  | 291.7                                                                             | 55,500                                                                            | 68.2                                                                                    | 293.6                                                                               | 54,600                                                                              | 90                                                                                  |
| 95                                                                                | 62.8                                                                                  | 287.5                                                                             | 46,700                                                                            | 64.2                                                                                  | 289.3                                                                             | 53,000                                                                            | 66.4                                                                                    | 291.5                                                                               | 50,700                                                                              | 95                                                                                  |
| 97                                                                                | 61.2                                                                                  | 286.4                                                                             | 45,700                                                                            | 63.2                                                                                  | 288.3                                                                             | 51,600                                                                            | 65.2                                                                                    | 290.6                                                                               | 49,300                                                                              | 97                                                                                  |
| 100                                                                               | 60.9                                                                                  | 284.7                                                                             | 44,300                                                                            | 62.5                                                                                  | 286.7                                                                             | 49,500                                                                            | 64.7                                                                                    | 289.2                                                                               | 47,300                                                                              | 100                                                                                 |
| 105                                                                               | 59.1                                                                                  | 281.8                                                                             | 41,900                                                                            | 60.6                                                                                  | 284.0                                                                             | 46,300                                                                            | 62.9                                                                                    | 286.7                                                                               | 44,200                                                                              | 105                                                                                 |
| 110                                                                               | 57.2                                                                                  | 278.7                                                                             | 39,600                                                                            | 58.8                                                                                  | 281.0                                                                             | 43,500                                                                            | 61.1                                                                                    | 284.0                                                                               | 41,500                                                                              | 110                                                                                 |
| 115                                                                               | 55.3                                                                                  | 275.3                                                                             | 37,400                                                                            | 56.9                                                                                  | 277.8                                                                             | 40,900                                                                            | 59.3                                                                                    | 281.1                                                                               | 39,000                                                                              | 115                                                                                 |
| 120                                                                               | 53.3                                                                                  | 271.6                                                                             | 35,400                                                                            | 55.0                                                                                  | 274.4                                                                             | 38,500                                                                            | 57.4                                                                                    | 277.9                                                                               | 36,700                                                                              | 120                                                                                 |
| 121                                                                               | 52.6                                                                                  | 270.8                                                                             | 35,000                                                                            | 53.6                                                                                  | 273.6                                                                             | 38,100                                                                            | 56.6                                                                                    | 277.2                                                                               | 36,300                                                                              | 121                                                                                 |
| 125                                                                               | 51.3                                                                                  | 267.7                                                                             | 33,400                                                                            | 53.0                                                                                  | 270.7                                                                             | 36,400                                                                            | 55.5                                                                                    | 274.5                                                                               | 34,700                                                                              | 125                                                                                 |
| 130                                                                               | 49.2                                                                                  | 263.5                                                                             | 31,500                                                                            | 51.0                                                                                  | 266.7                                                                             | 34,400                                                                            | 53.5                                                                                    | 270.9                                                                               | 32,800                                                                              | 130                                                                                 |
| 135                                                                               | 47.1                                                                                  | 258.9                                                                             | 29,800                                                                            | 48.9                                                                                  | 262.5                                                                             | 32,600                                                                            | 51.5                                                                                    | 267.0                                                                               | 31,000                                                                              | 135                                                                                 |
| 140                                                                               | 44.8                                                                                  | 254.0                                                                             | 28,200                                                                            | 46.7                                                                                  | 257.9                                                                             | 30,900                                                                            | 49.4                                                                                    | 262.8                                                                               | 29,400                                                                              | 140                                                                                 |
| 145                                                                               | 42.5                                                                                  | 248.7                                                                             | 26,700                                                                            | 44.5                                                                                  | 252.9                                                                             | 29,300                                                                            | 47.3                                                                                    | 258.3                                                                               | 27,900                                                                              | 145                                                                                 |
| 150                                                                               | 40.1                                                                                  | 242.9                                                                             | 25,300                                                                            | 42.1                                                                                  | 247.5                                                                             | 27,900                                                                            | 45.0                                                                                    | 253.4                                                                               | 26,500                                                                              | 150                                                                                 |
| 155                                                                               | 37.5                                                                                  | 236.6                                                                             | 24,100                                                                            | 39.7                                                                                  | 241.6                                                                             | 26,500                                                                            | 42.7                                                                                    | 248.2                                                                               | 25,200                                                                              | 155                                                                                 |
| 160                                                                               | 34.8                                                                                  | 229.7                                                                             | 23,000                                                                            | 37.1                                                                                  | 235.2                                                                             | 25,300                                                                            | 40.3                                                                                    | 242.4                                                                               | 24,000                                                                              | 160                                                                                 |
| 165                                                                               | 31.9                                                                                  | 222.0                                                                             | 21,900                                                                            | 34.3                                                                                  | 228.2                                                                             | 24,100                                                                            | 37.7                                                                                    | 236.2                                                                               | 22,800                                                                              | 165                                                                                 |
| 168                                                                               | 29.2                                                                                  | 216.7                                                                             | 21,400                                                                            | 32.2                                                                                  | 223.4                                                                             | 23,400                                                                            | 35.8                                                                                    | 232.0                                                                               | 22,200                                                                              | 168                                                                                 |
| 170                                                                               | 28.7                                                                                  | 213.2                                                                             | 21,000                                                                            | 31.4                                                                                  | 220.3                                                                             | 23,000                                                                            | 35.0                                                                                    | 229.3                                                                               | 21,800                                                                              | 170                                                                                 |
| 175                                                                               | 25.1                                                                                  | 203.2                                                                             | 20,200                                                                            | 28.1                                                                                  | 211.4                                                                             | 21,900                                                                            | 32.1                                                                                    | 221.6                                                                               | 20,800                                                                              | 175                                                                                 |
| 180                                                                               | 21.0                                                                                  | 191.2                                                                             | 19,600                                                                            | 24.5                                                                                  | 201.1                                                                             | 20,900                                                                            | 28.9                                                                                    | 213.0                                                                               | 19,800                                                                              | 180                                                                                 |
| 185                                                                               | 15.8                                                                                  | 175.8                                                                             | 19,200                                                                            | 20.2                                                                                  | 188.7                                                                             | 20,000                                                                            | 25.4                                                                                    | 203.1                                                                               | 18,900                                                                              | 185                                                                                 |
| 190                                                                               | 7.7                                                                                   | 150.8                                                                             | 16,600                                                                            | 14.8                                                                                  | 172.4                                                                             | 19,100                                                                            | 21.3                                                                                    | 191.3                                                                               | 18,000                                                                              | 190                                                                                 |
| 191                                                                               | 4.4                                                                                   | 140.6                                                                             | 15,500                                                                            | 12.2                                                                                  | 166.4                                                                             | 18,500                                                                            | 20.0                                                                                    | 188.3                                                                               | 17,900                                                                              | 191                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.2                                                                                   | 142.7                                                                             | 16,300                                                                            | 16.3                                                                                    | 176.2                                                                               | 17,200                                                                              | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 8.7                                                                                     | 152.8                                                                               | 16,400                                                                              | 200                                                                                 |
| 201                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.0                                                                                     | 144.6                                                                               | 16,200                                                                              | 201                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 218                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 218                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 228                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 228                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 237                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 237                                                                                 |



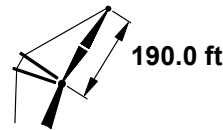
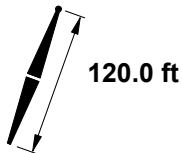
184,600 lb  
+  
44,000 lb

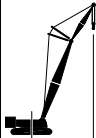
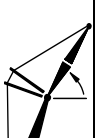
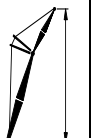
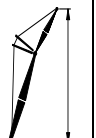
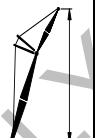
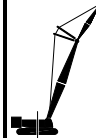


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  |      |       |        |      |       |        |      |       |        |      |       |        | 82  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 97  | 67.9 | 292.3 | 47,100 |      |       |        |      |       |        |      |       |        | 97  |
| 100 | 66.9 | 291.0 | 45,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.1 | 288.7 | 42,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 63.3 | 286.2 | 39,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 61.5 | 283.6 | 37,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 59.7 | 280.7 | 35,000 |      |       |        |      |       |        |      |       |        | 120 |
| 121 | 58.6 | 280.1 | 34,600 | 63.0 | 283.4 | 31,600 |      |       |        |      |       |        | 121 |
| 125 | 57.8 | 277.6 | 33,000 | 61.6 | 281.2 | 30,200 |      |       |        |      |       |        | 125 |
| 130 | 55.9 | 274.3 | 31,100 | 59.8 | 278.4 | 28,500 |      |       |        |      |       |        | 130 |
| 135 | 54.0 | 270.8 | 29,400 | 57.9 | 275.3 | 26,900 |      |       |        |      |       |        | 135 |
| 140 | 52.0 | 266.9 | 27,900 | 56.0 | 272.0 | 25,400 |      |       |        |      |       |        | 140 |
| 145 | 49.9 | 262.8 | 26,400 | 54.0 | 268.4 | 24,100 | 57.9 | 271.9 | 21,700 |      |       |        | 145 |
| 150 | 47.8 | 258.4 | 25,100 | 52.0 | 264.6 | 22,800 | 56.0 | 268.6 | 20,600 |      |       |        | 150 |
| 155 | 45.6 | 253.6 | 23,900 | 50.0 | 260.5 | 21,600 | 54.0 | 265.0 | 19,500 |      |       |        | 155 |
| 160 | 43.3 | 248.4 | 22,700 | 47.8 | 256.1 | 20,600 | 52.0 | 261.2 | 18,500 |      |       |        | 160 |
| 165 | 40.9 | 242.8 | 21,600 | 45.6 | 251.3 | 19,500 | 49.9 | 257.1 | 17,500 |      |       |        | 165 |
| 168 | 38.8 | 239.1 | 21,000 | 43.8 | 248.2 | 19,000 | 47.8 | 254.4 | 17,000 | 52.6 | 258.3 | 15,000 | 168 |
| 170 | 38.4 | 236.7 | 20,600 | 43.4 | 246.1 | 18,600 | 47.8 | 252.7 | 16,600 | 51.8 | 256.7 | 14,700 | 170 |
| 175 | 35.7 | 229.9 | 19,600 | 41.0 | 240.5 | 17,700 | 45.6 | 247.9 | 15,800 | 49.8 | 252.6 | 13,900 | 175 |
| 180 | 32.8 | 222.5 | 18,700 | 38.5 | 234.4 | 16,800 | 43.3 | 242.7 | 15,000 | 47.6 | 248.1 | 13,200 | 180 |
| 185 | 29.7 | 214.1 | 17,800 | 35.8 | 227.7 | 16,000 | 40.9 | 237.1 | 14,200 | 45.4 | 243.3 | 12,500 | 185 |
| 190 | 26.3 | 204.6 | 17,000 | 32.9 | 220.3 | 15,200 | 38.4 | 231.0 | 13,500 | 43.1 | 238.1 | 11,800 | 190 |
| 191 | 25.2 | 202.3 | 16,800 | 31.4 | 218.6 | 15,100 | 37.4 | 229.7 | 13,400 | 42.4 | 237.0 | 11,700 | 191 |
| 195 | 22.4 | 193.3 | 16,200 | 29.9 | 212.0 | 14,500 | 35.8 | 224.3 | 12,800 | 40.7 | 232.5 | 11,200 | 195 |
| 200 | 17.6 | 179.2 | 15,400 | 26.4 | 202.5 | 13,800 | 32.9 | 216.9 | 12,200 | 38.2 | 226.3 | 10,600 | 200 |
| 201 | 15.0 | 173.1 | 15,300 | 25.1 | 199.9 | 13,700 | 31.4 | 215.1 | 12,100 | 37.4 | 224.9 | 10,500 | 201 |
| 208 | 1.9  | 130.6 | 14,200 | 18.8 | 182.4 | 12,800 | 27.2 | 202.5 | 11,200 | 33.2 | 214.9 | 9,700  | 208 |
| 210 |      |       |        | 17.8 | 177.3 | 12,500 | 26.4 | 199.0 | 11,000 | 32.7 | 212.0 | 9,400  | 210 |
| 218 |      |       |        | 3.4  | 132.7 | 11,400 | 18.8 | 178.8 | 10,100 | 27.2 | 197.6 | 8,500  | 218 |
| 220 |      |       |        |      |       |        | 17.7 | 173.8 | 9,900  | 26.1 | 194.0 | 8,300  | 220 |
| 228 |      |       |        |      |       |        | 2.8  | 127.8 | 9,000  | 18.8 | 173.4 | 7,400  | 228 |
| 230 |      |       |        |      |       |        |      |       |        | 17.3 | 168.3 | 7,200  | 230 |
| 237 |      |       |        |      |       |        |      |       |        | 5.7  | 132.5 | 6,500  | 237 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 59                                                                                   | 75.9                                                                                  | 312.0                                                                                | 49,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 59                                                                                     |
| 60                                                                                   | 75.6                                                                                  | 311.7                                                                                | 48,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 74.0                                                                                  | 310.3                                                                                | 48,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 72.4                                                                                  | 308.8                                                                                | 48,100                                                                               | 73.8                                                                                  | 309.8                                                                                | 55,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 70.9                                                                                  | 307.1                                                                                | 47,500                                                                               | 72.2                                                                                  | 308.2                                                                                | 55,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 69.2                                                                                  | 305.2                                                                                | 46,900                                                                               | 70.6                                                                                  | 306.5                                                                                | 54,700                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 67.6                                                                                  | 303.2                                                                                | 46,100                                                                               | 69.0                                                                                  | 304.6                                                                                | 54,400                                                                               | 71.0                                                                                    | 306.2                                                                                  | 53,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 66.0                                                                                  | 301.0                                                                                | 45,700                                                                               | 67.3                                                                                  | 302.6                                                                                | 53,900                                                                               | 69.4                                                                                    | 304.4                                                                                  | 52,900                                                                                 | 90                                                                                     |
| 95                                                                                   | 64.3                                                                                  | 298.7                                                                                | 44,900                                                                               | 65.7                                                                                  | 300.4                                                                                | 51,700                                                                               | 67.8                                                                                    | 302.4                                                                                  | 50,500                                                                                 | 95                                                                                     |
| 100                                                                                  | 62.6                                                                                  | 296.1                                                                                | 42,800                                                                               | 64.0                                                                                  | 298.0                                                                                | 49,300                                                                               | 66.1                                                                                    | 300.2                                                                                  | 47,100                                                                                 | 100                                                                                    |
| 101                                                                                  | 61.6                                                                                  | 295.6                                                                                | 42,300                                                                               | 63.6                                                                                  | 297.5                                                                                | 48,600                                                                               | 65.6                                                                                    | 299.7                                                                                  | 46,500                                                                                 | 101                                                                                    |
| 105                                                                                  | 60.9                                                                                  | 293.4                                                                                | 40,600                                                                               | 62.3                                                                                  | 295.4                                                                                | 46,100                                                                               | 64.4                                                                                    | 297.9                                                                                  | 44,000                                                                                 | 105                                                                                    |
| 110                                                                                  | 59.1                                                                                  | 290.5                                                                                | 38,500                                                                               | 60.6                                                                                  | 292.6                                                                                | 43,200                                                                               | 62.8                                                                                    | 295.3                                                                                  | 41,300                                                                                 | 110                                                                                    |
| 115                                                                                  | 57.4                                                                                  | 287.3                                                                                | 36,500                                                                               | 58.9                                                                                  | 289.7                                                                                | 40,600                                                                               | 61.0                                                                                    | 292.6                                                                                  | 38,800                                                                                 | 115                                                                                    |
| 120                                                                                  | 55.5                                                                                  | 284.0                                                                                | 34,600                                                                               | 57.1                                                                                  | 286.5                                                                                | 38,300                                                                               | 59.3                                                                                    | 289.7                                                                                  | 36,500                                                                                 | 120                                                                                    |
| 125                                                                                  | 53.7                                                                                  | 280.4                                                                                | 32,900                                                                               | 55.2                                                                                  | 283.1                                                                                | 36,100                                                                               | 57.5                                                                                    | 286.6                                                                                  | 34,400                                                                                 | 125                                                                                    |
| 126                                                                                  | 52.6                                                                                  | 279.6                                                                                | 32,500                                                                               | 54.6                                                                                  | 282.4                                                                                | 35,800                                                                               | 56.6                                                                                    | 285.9                                                                                  | 34,100                                                                                 | 126                                                                                    |
| 130                                                                                  | 51.8                                                                                  | 276.5                                                                                | 31,100                                                                               | 53.4                                                                                  | 279.5                                                                                | 34,200                                                                               | 55.7                                                                                    | 283.2                                                                                  | 32,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 49.8                                                                                  | 272.4                                                                                | 29,400                                                                               | 51.5                                                                                  | 275.6                                                                                | 32,400                                                                               | 53.8                                                                                    | 279.7                                                                                  | 30,800                                                                                 | 135                                                                                    |
| 140                                                                                  | 47.8                                                                                  | 267.9                                                                                | 27,800                                                                               | 49.5                                                                                  | 271.4                                                                                | 30,700                                                                               | 51.9                                                                                    | 275.8                                                                                  | 29,200                                                                                 | 140                                                                                    |
| 145                                                                                  | 45.7                                                                                  | 263.2                                                                                | 26,400                                                                               | 47.5                                                                                  | 266.9                                                                                | 29,100                                                                               | 50.0                                                                                    | 271.7                                                                                  | 27,700                                                                                 | 145                                                                                    |
| 150                                                                                  | 43.6                                                                                  | 258.0                                                                                | 25,100                                                                               | 45.4                                                                                  | 262.1                                                                                | 27,700                                                                               | 48.0                                                                                    | 267.3                                                                                  | 26,300                                                                                 | 150                                                                                    |
| 155                                                                                  | 41.3                                                                                  | 252.5                                                                                | 23,900                                                                               | 43.2                                                                                  | 256.9                                                                                | 26,300                                                                               | 45.9                                                                                    | 262.6                                                                                  | 25,000                                                                                 | 155                                                                                    |
| 160                                                                                  | 39.0                                                                                  | 246.5                                                                                | 22,700                                                                               | 40.9                                                                                  | 251.2                                                                                | 25,100                                                                               | 43.8                                                                                    | 257.5                                                                                  | 23,800                                                                                 | 160                                                                                    |
| 165                                                                                  | 36.5                                                                                  | 239.9                                                                                | 21,700                                                                               | 38.6                                                                                  | 245.2                                                                                | 23,900                                                                               | 41.5                                                                                    | 252.0                                                                                  | 22,600                                                                                 | 165                                                                                    |
| 170                                                                                  | 33.8                                                                                  | 232.7                                                                                | 20,700                                                                               | 36.1                                                                                  | 238.5                                                                                | 22,800                                                                               | 39.2                                                                                    | 246.0                                                                                  | 21,600                                                                                 | 170                                                                                    |
| 174                                                                                  | 30.6                                                                                  | 226.3                                                                                | 20,000                                                                               | 33.6                                                                                  | 232.6                                                                                | 22,000                                                                               | 36.6                                                                                    | 240.8                                                                                  | 20,800                                                                                 | 174                                                                                    |
| 175                                                                                  | 31.0                                                                                  | 224.7                                                                                | 19,800                                                                               | 33.4                                                                                  | 231.2                                                                                | 21,700                                                                               | 36.7                                                                                    | 239.5                                                                                  | 20,600                                                                                 | 175                                                                                    |
| 180                                                                                  | 27.9                                                                                  | 215.7                                                                                | 19,100                                                                               | 30.5                                                                                  | 223.0                                                                                | 20,800                                                                               | 34.1                                                                                    | 232.3                                                                                  | 19,600                                                                                 | 180                                                                                    |
| 185                                                                                  | 24.4                                                                                  | 205.3                                                                                | 18,400                                                                               | 27.3                                                                                  | 213.8                                                                                | 19,800                                                                               | 31.2                                                                                    | 224.4                                                                                  | 18,700                                                                                 | 185                                                                                    |
| 190                                                                                  | 20.4                                                                                  | 193.0                                                                                | 17,900                                                                               | 23.8                                                                                  | 203.2                                                                                | 18,900                                                                               | 28.2                                                                                    | 215.5                                                                                  | 17,900                                                                                 | 190                                                                                    |
| 195                                                                                  | 15.4                                                                                  | 177.1                                                                                | 17,500                                                                               | 19.6                                                                                  | 190.4                                                                                | 18,100                                                                               | 24.7                                                                                    | 205.3                                                                                  | 17,100                                                                                 | 195                                                                                    |
| 200                                                                                  | 7.5                                                                                   | 151.4                                                                                | 14,600                                                                               | 14.4                                                                                  | 173.6                                                                                | 17,300                                                                               | 20.7                                                                                    | 193.1                                                                                  | 16,300                                                                                 | 200                                                                                    |
| 201                                                                                  | 4.3                                                                                   | 141.0                                                                                | 13,600                                                                               | 12.2                                                                                  | 167.5                                                                                | 16,700                                                                               | 19.0                                                                                    | 190.0                                                                                  | 16,100                                                                                 | 201                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.0                                                                                   | 143.1                                                                                | 14,300                                                                               | 15.8                                                                                    | 177.6                                                                                  | 15,500                                                                                 | 205                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 8.4                                                                                     | 153.6                                                                                  | 14,800                                                                                 | 210                                                                                    |
| 211                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.9                                                                                     | 145.1                                                                                  | 14,600                                                                                 | 211                                                                                    |
| 218                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 218                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 228                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 228                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 238                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 238                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 247                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 247                                                                                    |

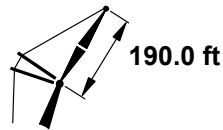
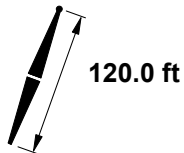


# MLC250 S-2

ASME B30.5



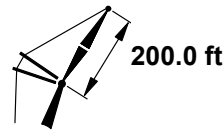
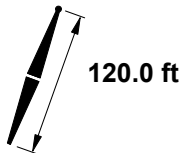
184,600 lb  
+  
44,000 lb

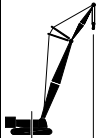
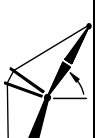
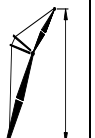
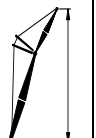
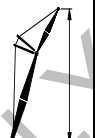
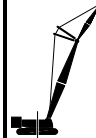


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 67.8 | 301.4 | 44,300 |      |       |        |      |       |        |      |       |        | 101 |
| 105 | 66.5 | 299.7 | 42,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.8 | 297.4 | 39,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 63.2 | 294.9 | 36,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 61.5 | 292.2 | 34,700 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 59.7 | 289.4 | 32,700 |      |       |        |      |       |        |      |       |        | 125 |
| 126 | 58.6 | 288.8 | 32,400 | 62.9 | 292.0 | 29,600 |      |       |        |      |       |        | 126 |
| 130 | 57.9 | 286.3 | 30,900 | 61.5 | 289.9 | 28,200 |      |       |        |      |       |        | 130 |
| 135 | 56.1 | 283.0 | 29,200 | 59.8 | 287.0 | 26,700 |      |       |        |      |       |        | 135 |
| 140 | 54.3 | 279.5 | 27,700 | 58.0 | 284.0 | 25,200 |      |       |        |      |       |        | 140 |
| 145 | 52.4 | 275.7 | 26,200 | 56.2 | 280.7 | 23,900 |      |       |        |      |       |        | 145 |
| 150 | 50.5 | 271.7 | 24,900 | 54.4 | 277.2 | 22,600 | 58.0 | 280.6 | 20,400 |      |       |        | 150 |
| 155 | 48.5 | 267.3 | 23,600 | 52.5 | 273.4 | 21,400 | 56.2 | 277.3 | 19,300 |      |       |        | 155 |
| 160 | 46.4 | 262.7 | 22,500 | 50.5 | 269.4 | 20,300 | 54.3 | 273.8 | 18,200 |      |       |        | 160 |
| 165 | 44.3 | 257.7 | 21,400 | 48.5 | 265.0 | 19,300 | 52.4 | 270.0 | 17,300 |      |       |        | 165 |
| 170 | 42.1 | 252.3 | 20,400 | 46.5 | 260.4 | 18,400 | 50.5 | 266.0 | 16,400 |      |       |        | 170 |
| 174 | 39.6 | 247.6 | 19,600 | 44.4 | 256.4 | 17,600 | 48.4 | 262.5 | 15,700 | 52.7 | 266.3 | 13,900 | 174 |
| 175 | 39.7 | 246.4 | 19,400 | 44.4 | 255.4 | 17,500 | 48.5 | 261.6 | 15,600 | 52.3 | 265.5 | 13,700 | 175 |
| 180 | 37.3 | 240.1 | 18,500 | 42.1 | 250.0 | 16,600 | 46.5 | 257.0 | 14,800 | 50.3 | 261.4 | 13,000 | 180 |
| 185 | 34.7 | 233.1 | 17,600 | 39.8 | 244.2 | 15,800 | 44.3 | 252.0 | 14,000 | 48.4 | 257.1 | 12,300 | 185 |
| 190 | 31.9 | 225.3 | 16,800 | 37.4 | 237.8 | 15,000 | 42.1 | 246.6 | 13,300 | 46.3 | 252.4 | 11,600 | 190 |
| 195 | 28.9 | 216.7 | 16,000 | 34.8 | 230.9 | 14,300 | 39.8 | 240.8 | 12,600 | 44.1 | 247.4 | 11,000 | 195 |
| 200 | 25.6 | 206.8 | 15,300 | 32.0 | 223.2 | 13,600 | 37.3 | 234.4 | 12,000 | 41.9 | 242.0 | 10,400 | 200 |
| 201 | 24.2 | 204.5 | 15,100 | 31.4 | 221.4 | 13,500 | 36.4 | 233.0 | 11,900 | 40.6 | 240.8 | 10,200 | 201 |
| 205 | 21.8 | 195.2 | 14,600 | 29.0 | 214.6 | 13,000 | 34.8 | 227.4 | 11,400 | 39.6 | 236.1 | 9,700  | 205 |
| 210 | 17.1 | 180.7 | 13,900 | 25.7 | 204.7 | 12,300 | 32.0 | 219.7 | 10,800 | 37.1 | 229.7 | 9,100  | 210 |
| 211 | 15.0 | 174.5 | 13,800 | 24.2 | 202.1 | 12,200 | 30.4 | 217.9 | 10,700 | 36.4 | 228.2 | 9,000  | 211 |
| 218 | 1.8  | 130.7 | 12,800 | 18.6 | 184.0 | 11,400 | 26.2 | 204.9 | 9,900  | 32.2 | 217.8 | 8,200  | 218 |
| 220 |      |       |        | 17.3 | 178.9 | 11,200 | 25.6 | 201.2 | 9,700  | 31.8 | 214.9 | 8,000  | 220 |
| 228 |      |       |        | 3.3  | 133.0 | 10,200 | 18.6 | 180.5 | 8,900  | 26.2 | 199.9 | 7,200  | 228 |
| 230 |      |       |        |      |       |        | 17.2 | 175.3 | 8,700  | 25.4 | 196.2 | 7,000  | 230 |
| 238 |      |       |        |      |       |        | 2.8  | 128.0 | 7,800  | 17.8 | 175.0 | 6,200  | 238 |
| 240 |      |       |        |      |       |        |      |       |        | 16.8 | 169.7 | 6,000  | 240 |
| 247 |      |       |        |      |       |        |      |       |        | 5.5  | 132.9 | 5,300  | 247 |



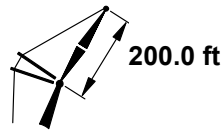
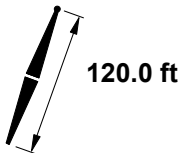
184,600 lb  
+  
44,000 lb



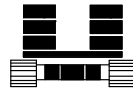
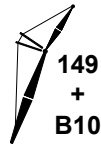
|     |  88°   |                                                                                        |                                                                                         |  86°   |                                                                                        |                                                                                         |  83° |                                                                                         |                                                                                           |                                                                                           |                                                                                           |
|-----|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
|     | <br>ft | <br>° | <br>ft | <br>lb | <br>° | <br>ft | <br>lb | <br>° | <br>ft | <br>lb | <br>ft |
| 61  | 76.0                                                                                    |                                                                                        | 321.8                                                                                   | 44,500                                                                                  |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 61                                                                                        |
| 65  | 74.8                                                                                    |                                                                                        | 320.7                                                                                   | 44,200                                                                                  |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 65                                                                                        |
| 70  | 73.3                                                                                    |                                                                                        | 319.3                                                                                   | 43,800                                                                                  |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 70                                                                                        |
| 72  | 72.2                                                                                    |                                                                                        | 318.6                                                                                   | 43,700                                                                                  | 74.0                                                                                   | 319.6                                                                                   | 50,100                                                                                  |                                                                                         |                                                                                           |                                                                                           | 72                                                                                        |
| 75  | 71.8                                                                                    |                                                                                        | 317.7                                                                                   | 43,600                                                                                  | 73.1                                                                                   | 318.7                                                                                   | 49,900                                                                                  |                                                                                         |                                                                                           |                                                                                           | 75                                                                                        |
| 80  | 70.3                                                                                    |                                                                                        | 315.9                                                                                   | 43,000                                                                                  | 71.6                                                                                   | 317.1                                                                                   | 49,600                                                                                  |                                                                                         |                                                                                           |                                                                                           | 80                                                                                        |
| 85  | 68.8                                                                                    |                                                                                        | 314.0                                                                                   | 42,300                                                                                  | 70.1                                                                                   | 315.3                                                                                   | 49,200                                                                                  |                                                                                         |                                                                                           |                                                                                           | 85                                                                                        |
| 89  | 67.2                                                                                    |                                                                                        | 312.4                                                                                   | 41,900                                                                                  | 68.4                                                                                   | 313.8                                                                                   | 49,000                                                                                  | 70.8                                                                                    | 315.4                                                                                     | 47,800                                                                                    | 89                                                                                        |
| 90  | 67.2                                                                                    |                                                                                        | 312.0                                                                                   | 41,800                                                                                  | 68.5                                                                                   | 313.4                                                                                   | 48,900                                                                                  | 70.5                                                                                    | 315.1                                                                                     | 47,700                                                                                    | 90                                                                                        |
| 95  | 65.7                                                                                    |                                                                                        | 309.7                                                                                   | 41,300                                                                                  | 67.0                                                                                   | 311.3                                                                                   | 48,600                                                                                  | 68.9                                                                                    | 313.2                                                                                     | 47,600                                                                                    | 95                                                                                        |
| 100 | 64.1                                                                                    |                                                                                        | 307.4                                                                                   | 40,800                                                                                  | 65.4                                                                                   | 309.1                                                                                   | 47,800                                                                                  | 67.4                                                                                    | 311.1                                                                                     | 46,600                                                                                    | 100                                                                                       |
| 105 | 62.5                                                                                    |                                                                                        | 304.8                                                                                   | 39,100                                                                                  | 63.8                                                                                   | 306.7                                                                                   | 45,700                                                                                  | 65.8                                                                                    | 308.9                                                                                     | 43,600                                                                                    | 105                                                                                       |
| 110 | 60.8                                                                                    |                                                                                        | 302.1                                                                                   | 37,300                                                                                  | 62.2                                                                                   | 304.1                                                                                   | 42,800                                                                                  | 64.2                                                                                    | 306.6                                                                                     | 40,800                                                                                    | 110                                                                                       |
| 115 | 59.2                                                                                    |                                                                                        | 299.1                                                                                   | 35,500                                                                                  | 60.6                                                                                   | 301.3                                                                                   | 40,200                                                                                  | 62.6                                                                                    | 304.0                                                                                     | 38,300                                                                                    | 115                                                                                       |
| 120 | 57.5                                                                                    |                                                                                        | 296.0                                                                                   | 33,700                                                                                  | 58.9                                                                                   | 298.3                                                                                   | 37,900                                                                                  | 61.0                                                                                    | 301.3                                                                                     | 36,100                                                                                    | 120                                                                                       |
| 125 | 55.8                                                                                    |                                                                                        | 292.7                                                                                   | 32,100                                                                                  | 57.2                                                                                   | 295.2                                                                                   | 35,700                                                                                  | 59.3                                                                                    | 298.4                                                                                     | 34,000                                                                                    | 125                                                                                       |
| 130 | 54.0                                                                                    |                                                                                        | 289.1                                                                                   | 30,500                                                                                  | 55.5                                                                                   | 291.8                                                                                   | 33,800                                                                                  | 57.6                                                                                    | 295.3                                                                                     | 32,100                                                                                    | 130                                                                                       |
| 131 | 53.6                                                                                    |                                                                                        | 288.3                                                                                   | 30,200                                                                                  | 54.6                                                                                   | 291.1                                                                                   | 33,400                                                                                  | 56.6                                                                                    | 294.6                                                                                     | 31,700                                                                                    | 131                                                                                       |
| 135 | 52.2                                                                                    |                                                                                        | 285.3                                                                                   | 28,900                                                                                  | 53.7                                                                                   | 288.2                                                                                   | 32,000                                                                                  | 55.9                                                                                    | 291.9                                                                                     | 30,400                                                                                    | 135                                                                                       |
| 140 | 50.4                                                                                    |                                                                                        | 281.2                                                                                   | 27,500                                                                                  | 51.9                                                                                   | 284.4                                                                                   | 30,300                                                                                  | 54.2                                                                                    | 288.4                                                                                     | 28,700                                                                                    | 140                                                                                       |
| 145 | 48.5                                                                                    |                                                                                        | 276.9                                                                                   | 26,100                                                                                  | 50.1                                                                                   | 280.3                                                                                   | 28,700                                                                                  | 52.4                                                                                    | 284.6                                                                                     | 27,200                                                                                    | 145                                                                                       |
| 150 | 46.5                                                                                    |                                                                                        | 272.3                                                                                   | 24,800                                                                                  | 48.2                                                                                   | 275.9                                                                                   | 27,300                                                                                  | 50.5                                                                                    | 280.6                                                                                     | 25,900                                                                                    | 150                                                                                       |
| 155 | 44.5                                                                                    |                                                                                        | 267.3                                                                                   | 23,600                                                                                  | 46.2                                                                                   | 271.2                                                                                   | 25,900                                                                                  | 48.6                                                                                    | 276.3                                                                                     | 24,600                                                                                    | 155                                                                                       |
| 156 | 43.6                                                                                    |                                                                                        | 266.2                                                                                   | 23,400                                                                                  | 45.6                                                                                   | 270.2                                                                                   | 25,700                                                                                  | 47.6                                                                                    | 275.3                                                                                     | 24,300                                                                                    | 156                                                                                       |
| 160 | 42.4                                                                                    |                                                                                        | 261.9                                                                                   | 22,500                                                                                  | 44.2                                                                                   | 266.1                                                                                   | 24,700                                                                                  | 46.7                                                                                    | 271.7                                                                                     | 23,300                                                                                    | 160                                                                                       |
| 165 | 40.2                                                                                    |                                                                                        | 256.2                                                                                   | 21,400                                                                                  | 42.1                                                                                   | 260.7                                                                                   | 23,500                                                                                  | 44.7                                                                                    | 266.7                                                                                     | 22,200                                                                                    | 165                                                                                       |
| 170 | 37.9                                                                                    |                                                                                        | 249.9                                                                                   | 20,500                                                                                  | 39.8                                                                                   | 254.9                                                                                   | 22,400                                                                                  | 42.6                                                                                    | 261.4                                                                                     | 21,200                                                                                    | 170                                                                                       |
| 175 | 35.5                                                                                    |                                                                                        | 243.1                                                                                   | 19,600                                                                                  | 37.5                                                                                   | 248.6                                                                                   | 21,400                                                                                  | 40.4                                                                                    | 255.7                                                                                     | 20,200                                                                                    | 175                                                                                       |
| 180 | 32.9                                                                                    |                                                                                        | 235.7                                                                                   | 18,800                                                                                  | 35.1                                                                                   | 241.7                                                                                   | 20,400                                                                                  | 38.1                                                                                    | 249.5                                                                                     | 19,200                                                                                    | 180                                                                                       |
| 185 | 30.2                                                                                    |                                                                                        | 227.4                                                                                   | 18,100                                                                                  | 32.5                                                                                   | 234.1                                                                                   | 19,400                                                                                  | 35.7                                                                                    | 242.7                                                                                     | 18,300                                                                                    | 185                                                                                       |
| 190 | 27.1                                                                                    |                                                                                        | 218.1                                                                                   | 17,400                                                                                  | 29.7                                                                                   | 225.7                                                                                   | 18,600                                                                                  | 33.2                                                                                    | 235.3                                                                                     | 17,500                                                                                    | 190                                                                                       |
| 195 | 23.8                                                                                    |                                                                                        | 207.4                                                                                   | 16,800                                                                                  | 26.6                                                                                   | 216.2                                                                                   | 17,700                                                                                  | 30.4                                                                                    | 227.1                                                                                     | 16,700                                                                                    | 195                                                                                       |
| 200 | 19.8                                                                                    |                                                                                        | 194.7                                                                                   | 16,300                                                                                  | 23.2                                                                                   | 205.2                                                                                   | 16,900                                                                                  | 27.4                                                                                    | 217.9                                                                                     | 15,900                                                                                    | 200                                                                                       |
| 205 | 15.0                                                                                    |                                                                                        | 178.4                                                                                   | 15,200                                                                                  | 19.1                                                                                   | 192.0                                                                                   | 16,200                                                                                  | 24.1                                                                                    | 207.4                                                                                     | 15,200                                                                                    | 205                                                                                       |
| 210 | 7.3                                                                                     |                                                                                        | 152.0                                                                                   | 12,600                                                                                  | 14.0                                                                                   | 174.8                                                                                   | 15,300                                                                                  | 20.2                                                                                    | 194.9                                                                                     | 14,500                                                                                    | 210                                                                                       |
| 211 | 4.2                                                                                     |                                                                                        | 141.3                                                                                   | 11,700                                                                                  | 11.2                                                                                   | 168.5                                                                                   | 14,700                                                                                  | 19.0                                                                                    | 191.7                                                                                     | 14,300                                                                                    | 211                                                                                       |
| 215 |                                                                                         |                                                                                        |                                                                                         |                                                                                         | 4.9                                                                                    | 143.5                                                                                   | 12,300                                                                                  | 15.4                                                                                    | 179.0                                                                                     | 13,800                                                                                    | 215                                                                                       |
| 220 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         | 8.2                                                                                     | 154.2                                                                                     | 13,100                                                                                    | 220                                                                                       |
| 221 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         | 5.7                                                                                     | 145.6                                                                                     | 13,000                                                                                    | 221                                                                                       |
| 228 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 228                                                                                       |
| 230 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 230                                                                                       |
| 238 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 238                                                                                       |
| 240 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 240                                                                                       |
| 248 |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                        |                                                                                         |                                                                                         |                                                                                         |                                                                                           |                                                                                           | 248                                                                                       |



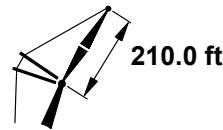
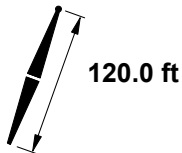
184,600 lb  
+  
44,000 lb

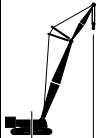
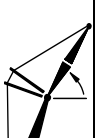
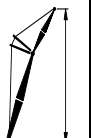
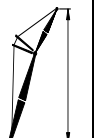
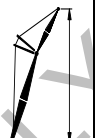
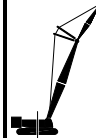


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 89  |      |       |        |      |       |        |      |       |        |      |       |        | 89  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 67.7 | 310.6 | 41,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 66.2 | 308.4 | 38,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 64.6 | 306.1 | 36,400 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 63.0 | 303.6 | 34,200 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 61.4 | 300.9 | 32,300 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 59.7 | 298.0 | 30,400 |      |       |        |      |       |        |      |       |        | 130 |
| 131 | 58.8 | 297.4 | 30,100 | 62.7 | 300.7 | 27,400 |      |       |        |      |       |        | 131 |
| 135 | 58.1 | 295.0 | 28,800 | 61.4 | 298.6 | 26,100 |      |       |        |      |       |        | 135 |
| 140 | 56.3 | 291.7 | 27,200 | 59.8 | 295.7 | 24,700 |      |       |        |      |       |        | 140 |
| 145 | 54.6 | 288.2 | 25,800 | 58.1 | 292.6 | 23,300 |      |       |        |      |       |        | 145 |
| 150 | 52.8 | 284.5 | 24,400 | 56.4 | 289.4 | 22,100 |      |       |        |      |       |        | 150 |
| 155 | 51.0 | 280.5 | 23,200 | 54.7 | 285.9 | 20,900 |      |       |        |      |       |        | 155 |
| 156 | 49.8 | 279.7 | 23,000 | 53.6 | 285.1 | 20,700 | 57.7 | 288.6 | 18,500 |      |       |        | 156 |
| 160 | 49.1 | 276.3 | 22,000 | 52.9 | 282.2 | 19,800 | 56.4 | 286.0 | 17,700 |      |       |        | 160 |
| 165 | 47.2 | 271.7 | 20,900 | 51.0 | 278.2 | 18,800 | 54.6 | 282.5 | 16,800 |      |       |        | 165 |
| 170 | 45.2 | 266.9 | 19,900 | 49.2 | 274.0 | 17,900 | 52.8 | 278.8 | 15,900 |      |       |        | 170 |
| 175 | 43.1 | 261.7 | 19,000 | 47.2 | 269.4 | 17,000 | 51.0 | 274.8 | 15,000 |      |       |        | 175 |
| 180 | 40.9 | 256.0 | 18,000 | 45.2 | 264.6 | 16,100 | 49.1 | 270.6 | 14,200 | 52.7 | 274.3 | 12,400 | 180 |
| 185 | 38.7 | 249.9 | 17,200 | 43.2 | 259.4 | 15,300 | 47.2 | 266.0 | 13,500 | 50.9 | 270.3 | 11,600 | 185 |
| 190 | 36.3 | 243.3 | 16,400 | 41.0 | 253.8 | 14,600 | 45.2 | 261.2 | 12,800 | 49.0 | 266.0 | 10,900 | 190 |
| 195 | 33.8 | 236.1 | 15,600 | 38.8 | 247.7 | 13,900 | 43.1 | 256.0 | 12,100 | 47.0 | 261.5 | 10,200 | 195 |
| 200 | 31.1 | 228.1 | 14,900 | 36.4 | 241.1 | 13,200 | 41.0 | 250.4 | 11,500 | 45.0 | 256.6 | 9,600  | 200 |
| 205 | 28.2 | 219.2 | 14,200 | 33.9 | 233.9 | 12,500 | 38.7 | 244.3 | 10,900 | 43.0 | 251.3 | 9,000  | 205 |
| 210 | 24.9 | 209.0 | 13,500 | 31.2 | 226.0 | 11,900 | 36.4 | 237.7 | 10,300 | 40.8 | 245.7 | 8,400  | 210 |
| 211 | 23.4 | 206.6 | 13,400 | 30.4 | 224.2 | 11,800 | 35.4 | 236.2 | 10,200 | 39.6 | 244.5 | 8,300  | 211 |
| 215 | 21.2 | 197.1 | 12,900 | 28.3 | 217.1 | 11,300 | 33.8 | 230.5 | 9,800  | 38.5 | 239.6 | 7,800  | 215 |
| 220 | 16.7 | 182.2 | 12,200 | 25.0 | 207.0 | 10,700 | 31.1 | 222.5 | 9,200  | 36.2 | 232.9 | 7,300  | 220 |
| 221 | 14.1 | 175.7 | 12,100 | 24.1 | 204.3 | 10,600 | 30.3 | 220.6 | 9,100  | 35.4 | 231.4 | 7,200  | 221 |
| 228 | 1.8  | 130.8 | 11,200 | 17.8 | 185.6 | 9,900  | 25.4 | 207.3 | 8,300  | 31.2 | 220.7 | 6,500  | 228 |
| 230 |      |       |        | 16.9 | 180.3 | 9,700  | 25.0 | 203.5 | 8,100  | 30.9 | 217.6 | 6,300  | 230 |
| 238 |      |       |        | 3.2  | 133.2 | 8,800  | 17.6 | 182.1 | 7,300  | 25.2 | 202.2 | 5,500  | 238 |
| 240 |      |       |        |      |       |        | 16.8 | 176.7 | 7,000  | 24.7 | 198.4 | 5,300  | 240 |
| 248 |      |       |        |      |       |        | 2.7  | 128.2 | 6,200  |      |       |        | 248 |



184,600 lb  
+  
44,000 lb



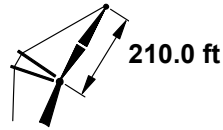
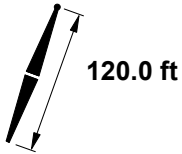
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 64                                                                                | 75.9                                                                                  | 331.4                                                                             | 40,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 64                                                                                  |
| 65                                                                                | 75.6                                                                                  | 331.1                                                                             | 40,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.2                                                                                  | 329.7                                                                             | 39,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 72.7                                                                                  | 328.2                                                                             | 39,500                                                                            | 73.9                                                                                  | 329.2                                                                             | 45,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 71.3                                                                                  | 326.5                                                                             | 39,200                                                                            | 72.5                                                                                  | 327.6                                                                             | 45,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.9                                                                                  | 324.7                                                                             | 38,800                                                                            | 71.1                                                                                  | 325.9                                                                             | 44,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 68.4                                                                                  | 322.8                                                                             | 38,500                                                                            | 69.6                                                                                  | 324.1                                                                             | 44,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 92                                                                                | 67.2                                                                                  | 322.0                                                                             | 38,300                                                                            | 68.6                                                                                  | 323.3                                                                             | 44,200                                                                            | 70.8                                                                                    | 325.0                                                                               | 43,100                                                                              | 92                                                                                  |
| 95                                                                                | 66.9                                                                                  | 320.7                                                                             | 38,000                                                                            | 68.1                                                                                  | 322.2                                                                             | 44,000                                                                            | 70.0                                                                                    | 323.9                                                                               | 43,000                                                                              | 95                                                                                  |
| 100                                                                               | 65.4                                                                                  | 318.5                                                                             | 37,500                                                                            | 66.7                                                                                  | 320.0                                                                             | 43,700                                                                            | 68.5                                                                                    | 321.9                                                                               | 42,800                                                                              | 100                                                                                 |
| 105                                                                               | 63.9                                                                                  | 316.0                                                                             | 37,100                                                                            | 65.2                                                                                  | 317.8                                                                             | 43,300                                                                            | 67.0                                                                                    | 319.9                                                                               | 42,600                                                                              | 105                                                                                 |
| 108                                                                               | 62.4                                                                                  | 314.5                                                                             | 36,400                                                                            | 63.8                                                                                  | 316.3                                                                             | 42,500                                                                            | 65.8                                                                                    | 318.5                                                                               | 41,300                                                                              | 108                                                                                 |
| 110                                                                               | 62.4                                                                                  | 313.5                                                                             | 35,900                                                                            | 63.6                                                                                  | 315.3                                                                             | 42,000                                                                            | 65.5                                                                                    | 317.6                                                                               | 40,400                                                                              | 110                                                                                 |
| 115                                                                               | 60.8                                                                                  | 310.7                                                                             | 34,300                                                                            | 62.1                                                                                  | 312.7                                                                             | 39,900                                                                            | 64.0                                                                                    | 315.2                                                                               | 38,000                                                                              | 115                                                                                 |
| 120                                                                               | 59.2                                                                                  | 307.8                                                                             | 32,700                                                                            | 60.6                                                                                  | 310.0                                                                             | 37,500                                                                            | 62.5                                                                                    | 312.7                                                                               | 35,700                                                                              | 120                                                                                 |
| 125                                                                               | 57.6                                                                                  | 304.7                                                                             | 31,200                                                                            | 59.0                                                                                  | 307.0                                                                             | 35,400                                                                            | 60.9                                                                                    | 309.9                                                                               | 33,600                                                                              | 125                                                                                 |
| 130                                                                               | 56.0                                                                                  | 301.4                                                                             | 29,800                                                                            | 57.4                                                                                  | 303.9                                                                             | 33,400                                                                            | 59.4                                                                                    | 307.0                                                                               | 31,700                                                                              | 130                                                                                 |
| 135                                                                               | 54.3                                                                                  | 297.8                                                                             | 28,400                                                                            | 55.7                                                                                  | 300.5                                                                             | 31,600                                                                            | 57.8                                                                                    | 303.9                                                                               | 30,000                                                                              | 135                                                                                 |
| 140                                                                               | 52.6                                                                                  | 294.1                                                                             | 27,100                                                                            | 54.0                                                                                  | 296.9                                                                             | 29,900                                                                            | 56.1                                                                                    | 300.6                                                                               | 28,400                                                                              | 140                                                                                 |
| 145                                                                               | 50.9                                                                                  | 290.1                                                                             | 25,700                                                                            | 52.3                                                                                  | 293.2                                                                             | 28,400                                                                            | 54.5                                                                                    | 297.1                                                                               | 26,900                                                                              | 145                                                                                 |
| 150                                                                               | 49.1                                                                                  | 285.8                                                                             | 24,500                                                                            | 50.6                                                                                  | 289.1                                                                             | 26,900                                                                            | 52.8                                                                                    | 293.4                                                                               | 25,500                                                                              | 150                                                                                 |
| 155                                                                               | 47.2                                                                                  | 281.3                                                                             | 23,300                                                                            | 48.8                                                                                  | 284.8                                                                             | 25,600                                                                            | 51.0                                                                                    | 289.4                                                                               | 24,200                                                                              | 155                                                                                 |
| 160                                                                               | 45.3                                                                                  | 276.5                                                                             | 22,200                                                                            | 46.9                                                                                  | 280.2                                                                             | 24,300                                                                            | 49.2                                                                                    | 285.2                                                                               | 23,000                                                                              | 160                                                                                 |
| 161                                                                               | 44.6                                                                                  | 275.4                                                                             | 22,000                                                                            | 45.8                                                                                  | 279.3                                                                             | 24,100                                                                            | 48.6                                                                                    | 284.3                                                                               | 22,800                                                                              | 161                                                                                 |
| 165                                                                               | 43.4                                                                                  | 271.3                                                                             | 21,200                                                                            | 45.0                                                                                  | 275.3                                                                             | 23,200                                                                            | 47.4                                                                                    | 280.7                                                                               | 21,900                                                                              | 165                                                                                 |
| 170                                                                               | 41.3                                                                                  | 265.7                                                                             | 20,200                                                                            | 43.0                                                                                  | 270.1                                                                             | 22,100                                                                            | 45.5                                                                                    | 275.9                                                                               | 20,800                                                                              | 170                                                                                 |
| 175                                                                               | 39.2                                                                                  | 259.7                                                                             | 19,400                                                                            | 41.0                                                                                  | 264.5                                                                             | 21,000                                                                            | 43.5                                                                                    | 270.7                                                                               | 19,800                                                                              | 175                                                                                 |
| 180                                                                               | 37.0                                                                                  | 253.3                                                                             | 18,600                                                                            | 38.8                                                                                  | 258.4                                                                             | 20,000                                                                            | 41.5                                                                                    | 265.2                                                                               | 18,900                                                                              | 180                                                                                 |
| 185                                                                               | 34.6                                                                                  | 246.3                                                                             | 17,800                                                                            | 36.6                                                                                  | 251.9                                                                             | 19,100                                                                            | 39.4                                                                                    | 259.3                                                                               | 18,000                                                                              | 185                                                                                 |
| 186                                                                               | 33.6                                                                                  | 244.7                                                                             | 17,600                                                                            | 35.6                                                                                  | 250.4                                                                             | 18,900                                                                            | 38.6                                                                                    | 258.0                                                                               | 17,800                                                                              | 186                                                                                 |
| 190                                                                               | 32.1                                                                                  | 238.6                                                                             | 17,100                                                                            | 34.2                                                                                  | 244.7                                                                             | 18,200                                                                            | 37.2                                                                                    | 252.8                                                                               | 17,100                                                                              | 190                                                                                 |
| 200                                                                               | 26.5                                                                                  | 220.5                                                                             | 15,900                                                                            | 29.0                                                                                  | 228.3                                                                             | 16,600                                                                            | 32.3                                                                                    | 238.2                                                                               | 15,600                                                                              | 200                                                                                 |
| 210                                                                               | 19.4                                                                                  | 196.4                                                                             | 14,200                                                                            | 22.6                                                                                  | 207.2                                                                             | 14,900                                                                            | 26.7                                                                                    | 220.3                                                                               | 14,200                                                                              | 210                                                                                 |
| 220                                                                               | 7.1                                                                                   | 152.6                                                                             | 10,700                                                                            | 13.6                                                                                  | 176.0                                                                             | 13,200                                                                            | 19.7                                                                                    | 196.6                                                                               | 12,900                                                                              | 220                                                                                 |
| 221                                                                               | 4.1                                                                                   | 141.6                                                                             | 9,900                                                                             | 11.2                                                                                  | 169.6                                                                             | 12,700                                                                            | 18.2                                                                                    | 193.3                                                                               | 12,700                                                                              | 221                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.8                                                                                   | 143.9                                                                             | 10,500                                                                            | 15.0                                                                                    | 180.3                                                                               | 12,200                                                                              | 225                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 8.0                                                                                     | 154.9                                                                               | 11,600                                                                              | 230                                                                                 |
| 231                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.5                                                                                     | 146.0                                                                               | 11,400                                                                              | 231                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 235                                                                                 |
| 238                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 238                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 248                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 248                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 255                                                                                 |

# MLC250 S-2

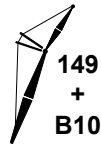
ASME B30.5



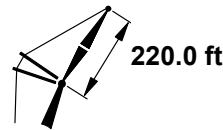
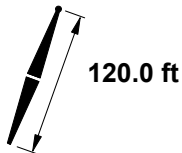
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 92  |      |       |        |      |       |        |      |       |        |      |       |        | 92  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 108 | 68.0 | 320.2 | 39,400 |      |       |        |      |       |        |      |       |        | 108 |
| 110 | 67.4 | 319.3 | 38,400 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 65.9 | 317.1 | 36,000 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 64.4 | 314.8 | 33,900 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 62.9 | 312.3 | 31,900 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 61.3 | 309.6 | 30,100 |      |       |        |      |       |        |      |       |        | 130 |
| 135 | 59.7 | 306.7 | 28,400 | 62.9 | 309.9 | 25,700 |      |       |        |      |       |        | 135 |
| 140 | 58.1 | 303.7 | 26,800 | 61.4 | 307.2 | 24,300 |      |       |        |      |       |        | 140 |
| 145 | 56.5 | 300.4 | 25,400 | 59.8 | 304.4 | 22,900 |      |       |        |      |       |        | 145 |
| 150 | 54.9 | 296.9 | 24,100 | 58.2 | 301.3 | 21,700 |      |       |        |      |       |        | 150 |
| 155 | 53.2 | 293.3 | 22,800 | 56.6 | 298.1 | 20,500 |      |       |        |      |       |        | 155 |
| 160 | 51.4 | 289.3 | 21,700 | 54.9 | 294.6 | 19,400 |      |       |        |      |       |        | 160 |
| 161 | 50.6 | 288.5 | 21,400 | 53.8 | 293.9 | 19,200 | 57.9 | 297.3 | 17,100 |      |       |        | 161 |
| 165 | 49.7 | 285.2 | 20,600 | 53.2 | 290.9 | 18,400 | 56.6 | 294.7 | 16,300 |      |       |        | 165 |
| 170 | 47.8 | 280.7 | 19,500 | 51.5 | 287.0 | 17,500 | 54.9 | 291.2 | 15,500 |      |       |        | 170 |
| 175 | 46.0 | 276.0 | 18,600 | 49.7 | 282.9 | 16,600 | 53.2 | 287.5 | 14,600 |      |       |        | 175 |
| 180 | 44.0 | 270.9 | 17,700 | 47.9 | 278.4 | 15,700 | 51.5 | 283.6 | 13,800 |      |       |        | 180 |
| 185 | 42.0 | 265.5 | 16,800 | 46.0 | 273.7 | 14,900 | 49.7 | 279.5 | 13,100 |      |       |        | 185 |
| 186 | 40.6 | 264.3 | 16,700 | 45.6 | 272.7 | 14,800 | 48.6 | 278.6 | 13,000 | 52.7 | 282.3 | 10,900 | 186 |
| 190 | 39.9 | 259.7 | 16,000 | 44.1 | 268.7 | 14,200 | 47.9 | 275.0 | 12,400 | 51.3 | 279.1 | 10,300 | 190 |
| 200 | 35.4 | 246.5 | 14,500 | 40.0 | 257.4 | 12,800 | 44.1 | 265.3 | 11,100 | 47.7 | 270.5 | 9,000  | 200 |
| 210 | 30.3 | 230.8 | 13,200 | 35.5 | 244.3 | 11,500 | 39.9 | 254.0 | 9,800  | 43.9 | 260.6 | 7,800  | 210 |
| 220 | 24.3 | 211.2 | 11,900 | 30.4 | 228.7 | 10,400 | 35.4 | 240.9 | 8,700  | 39.8 | 249.3 | 6,700  | 220 |
| 221 | 23.2 | 208.7 | 11,800 | 29.4 | 226.9 | 10,300 | 34.4 | 239.4 | 8,500  | 38.6 | 248.1 | 6,600  | 221 |
| 225 | 20.7 | 198.9 | 11,400 | 27.6 | 219.5 | 9,900  | 33.0 | 233.4 | 8,100  | 37.6 | 243.0 | 6,200  | 225 |
| 230 | 16.3 | 183.6 | 10,800 | 24.4 | 209.1 | 9,300  | 30.4 | 225.2 | 7,600  | 35.3 | 236.1 | 5,700  | 230 |
| 231 | 14.8 | 179.2 | 10,700 | 23.2 | 206.7 | 9,200  | 29.4 | 223.4 | 7,500  | 34.4 | 234.6 | 5,600  | 231 |
| 235 | 10.1 | 161.7 | 10,200 | 20.8 | 196.9 | 8,800  | 27.5 | 216.1 | 7,000  | 32.8 | 228.6 | 5,200  | 235 |
| 238 | 1.7  | 130.9 | 9,800  | 17.6 | 187.8 | 8,500  | 25.2 | 209.8 | 6,700  |      |       |        | 238 |
| 240 |      |       |        | 16.5 | 181.7 | 8,300  | 24.4 | 205.6 | 6,500  |      |       |        | 240 |
| 248 |      |       |        | 3.1  | 133.5 | 7,500  | 17.6 | 183.6 | 5,800  |      |       |        | 248 |
| 250 |      |       |        |      |       |        | 16.4 | 178.2 | 5,600  |      |       |        | 250 |
| 255 |      |       |        |      |       |        | 10.3 | 156.5 | 5,100  |      |       |        | 255 |



184,600 lb  
+  
44,000 lb



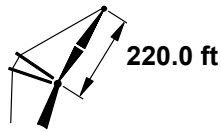
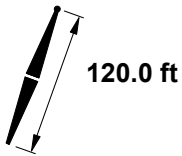
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 66  | 76.0 | 341.2 | 36,700 |      |       |        |      |       |        | 66  |
| 70  | 74.9 | 340.1 | 36,400 |      |       |        |      |       |        | 70  |
| 75  | 73.5 | 338.7 | 36,000 |      |       |        |      |       |        | 75  |
| 78  | 72.4 | 337.7 | 35,800 | 73.9 | 338.7 | 41,100 |      |       |        | 78  |
| 80  | 72.2 | 337.1 | 35,600 | 73.3 | 338.1 | 40,900 |      |       |        | 80  |
| 85  | 70.8 | 335.4 | 35,300 | 72.0 | 336.5 | 40,600 |      |       |        | 85  |
| 90  | 69.4 | 333.5 | 34,900 | 70.6 | 334.8 | 40,200 |      |       |        | 90  |
| 95  | 68.0 | 331.6 | 34,600 | 69.2 | 332.9 | 39,900 | 70.9 | 334.5 | 38,900 | 95  |
| 100 | 66.6 | 329.4 | 34,200 | 67.8 | 330.9 | 39,500 | 69.5 | 332.7 | 38,700 | 100 |
| 105 | 65.2 | 327.2 | 33,900 | 66.4 | 328.8 | 39,200 | 68.1 | 330.7 | 38,400 | 105 |
| 110 | 63.7 | 324.7 | 33,600 | 64.9 | 326.5 | 38,800 | 66.7 | 328.6 | 38,200 | 110 |
| 112 | 62.6 | 323.7 | 33,400 | 63.6 | 325.5 | 38,700 | 65.6 | 327.7 | 37,900 | 112 |
| 115 | 62.3 | 322.1 | 33,000 | 63.5 | 324.0 | 38,500 | 65.3 | 326.3 | 37,500 | 115 |
| 120 | 60.8 | 319.4 | 31,600 | 62.0 | 321.4 | 37,100 | 63.8 | 323.9 | 35,200 | 120 |
| 125 | 59.3 | 316.5 | 30,300 | 60.5 | 318.6 | 35,000 | 62.4 | 321.3 | 33,200 | 125 |
| 130 | 57.7 | 313.4 | 28,900 | 59.0 | 315.7 | 33,000 | 60.9 | 318.6 | 31,300 | 130 |
| 135 | 56.2 | 310.1 | 27,600 | 57.5 | 312.5 | 31,200 | 59.4 | 315.7 | 29,500 | 135 |
| 140 | 54.6 | 306.6 | 26,500 | 55.9 | 309.2 | 29,500 | 57.9 | 312.6 | 27,900 | 140 |
| 145 | 53.0 | 302.9 | 25,300 | 54.3 | 305.7 | 28,000 | 56.3 | 309.3 | 26,400 | 145 |
| 150 | 51.3 | 298.9 | 24,100 | 52.7 | 301.9 | 26,500 | 54.7 | 305.9 | 25,100 | 150 |
| 155 | 49.6 | 294.7 | 23,000 | 51.0 | 298.0 | 25,200 | 53.1 | 302.2 | 23,800 | 155 |
| 160 | 47.9 | 290.3 | 22,000 | 49.3 | 293.7 | 23,900 | 51.4 | 298.2 | 22,600 | 160 |
| 165 | 46.1 | 285.6 | 20,900 | 47.6 | 289.2 | 22,800 | 49.8 | 294.1 | 21,400 | 165 |
| 166 | 45.6 | 284.6 | 20,800 | 46.6 | 288.3 | 22,500 | 48.8 | 293.2 | 21,200 | 166 |
| 170 | 44.2 | 280.5 | 20,000 | 45.8 | 284.5 | 21,700 | 48.0 | 289.7 | 20,400 | 170 |
| 175 | 42.3 | 275.2 | 19,100 | 43.9 | 279.4 | 20,600 | 46.2 | 285.0 | 19,400 | 175 |
| 180 | 40.3 | 269.4 | 18,300 | 42.0 | 274.0 | 19,600 | 44.4 | 280.0 | 18,400 | 180 |
| 185 | 38.3 | 263.2 | 17,600 | 40.0 | 268.1 | 18,700 | 42.5 | 274.6 | 17,500 | 185 |
| 190 | 36.1 | 256.6 | 16,900 | 37.9 | 261.9 | 17,800 | 40.5 | 268.9 | 16,700 | 190 |
| 192 | 34.8 | 253.7 | 16,600 | 36.2 | 259.2 | 17,500 | 39.2 | 266.4 | 16,400 | 192 |
| 195 | 33.8 | 249.3 | 16,200 | 35.7 | 255.1 | 17,000 | 38.4 | 262.8 | 15,900 | 195 |
| 200 | 31.3 | 241.4 | 15,300 | 33.4 | 247.8 | 16,100 | 36.3 | 256.1 | 15,200 | 200 |
| 210 | 25.8 | 222.8 | 13,700 | 28.3 | 230.8 | 14,400 | 31.6 | 241.1 | 13,800 | 210 |
| 220 | 18.9 | 198.1 | 12,100 | 22.1 | 209.2 | 12,800 | 26.1 | 222.6 | 12,500 | 220 |
| 225 | 14.2 | 180.9 | 11,100 | 18.2 | 195.3 | 12,100 | 22.9 | 211.5 | 11,900 | 225 |
| 230 | 6.9  | 153.2 | 9,000  | 13.3 | 177.1 | 11,200 | 19.2 | 198.3 | 11,300 | 230 |
| 231 | 4.0  | 141.9 | 8,200  | 11.2 | 170.6 | 10,700 | 18.0 | 194.9 | 11,200 | 231 |
| 235 |      |       |        | 4.6  | 144.2 | 8,800  | 14.7 | 181.5 | 10,700 | 235 |
| 240 |      |       |        |      |       |        | 7.8  | 155.6 | 10,200 | 240 |
| 241 |      |       |        |      |       |        | 5.4  | 146.5 | 9,600  | 241 |
| 245 |      |       |        |      |       |        |      |       |        | 245 |
| 248 |      |       |        |      |       |        |      |       |        | 248 |
| 250 |      |       |        |      |       |        |      |       |        | 250 |
| 258 |      |       |        |      |       |        |      |       |        | 258 |

# MLC250 S-2

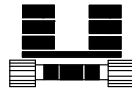
ASME B30.5



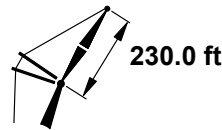
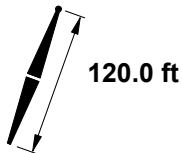
184,600 lb  
+  
44,000 lb

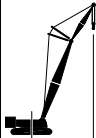
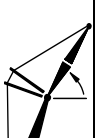
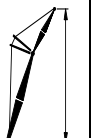
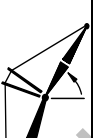


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 66  |      |       |        |      |       |        |      |       |        |      |       |       | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |       | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |        |      |       |       | 110 |
| 112 | 67.9 | 329.3 | 36,900 |      |       |        |      |       |        |      |       |       | 112 |
| 115 | 67.1 | 328.1 | 35,500 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 65.6 | 325.8 | 33,400 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 64.2 | 323.5 | 31,400 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 62.7 | 320.9 | 29,600 |      |       |        |      |       |        |      |       |       | 130 |
| 135 | 61.3 | 318.2 | 27,900 |      |       |        |      |       |        |      |       |       | 135 |
| 140 | 59.8 | 315.4 | 26,400 | 62.8 | 318.6 | 23,800 |      |       |        |      |       |       | 140 |
| 145 | 58.2 | 312.3 | 24,900 | 61.3 | 315.9 | 22,400 |      |       |        |      |       |       | 145 |
| 150 | 56.7 | 309.1 | 23,600 | 59.8 | 313.0 | 21,200 |      |       |        |      |       |       | 150 |
| 155 | 55.1 | 305.7 | 22,400 | 58.3 | 310.0 | 20,000 |      |       |        |      |       |       | 155 |
| 160 | 53.5 | 302.0 | 21,200 | 56.7 | 306.7 | 18,900 |      |       |        |      |       |       | 160 |
| 165 | 51.8 | 298.2 | 20,100 | 55.2 | 303.3 | 17,900 |      |       |        |      |       |       | 165 |
| 166 | 50.8 | 297.3 | 19,900 | 54.6 | 302.6 | 17,700 | 58.0 | 306.0 | 15,600 |      |       |       | 166 |
| 170 | 50.2 | 294.1 | 19,100 | 53.5 | 299.7 | 17,000 | 56.7 | 303.4 | 14,900 |      |       |       | 170 |
| 175 | 48.4 | 289.7 | 18,100 | 51.9 | 295.8 | 16,100 | 55.1 | 299.9 | 14,100 |      |       |       | 175 |
| 180 | 46.7 | 285.1 | 17,200 | 50.2 | 291.8 | 15,300 | 53.5 | 296.3 | 13,300 |      |       |       | 180 |
| 185 | 44.8 | 280.1 | 16,400 | 48.5 | 287.4 | 14,500 | 51.9 | 292.4 | 12,600 |      |       |       | 185 |
| 190 | 42.9 | 274.9 | 15,600 | 46.7 | 282.8 | 13,700 | 50.2 | 288.4 | 11,800 |      |       |       | 190 |
| 192 | 41.2 | 272.6 | 15,300 | 45.2 | 280.8 | 13,400 | 49.2 | 286.6 | 11,500 | 52.7 | 290.3 | 9,200 | 192 |
| 195 | 41.0 | 269.3 | 14,800 | 44.9 | 277.9 | 13,000 | 48.5 | 284.0 | 11,100 | 51.7 | 287.9 | 8,800 | 195 |
| 200 | 38.9 | 263.2 | 14,100 | 43.0 | 272.6 | 12,300 | 46.7 | 279.4 | 10,400 | 50.1 | 283.8 | 8,200 | 200 |
| 210 | 34.5 | 249.7 | 12,700 | 39.0 | 261.0 | 11,100 | 43.0 | 269.2 | 9,100  | 46.6 | 274.8 | 7,000 | 210 |
| 220 | 29.6 | 233.5 | 11,500 | 34.6 | 247.5 | 9,900  | 39.0 | 257.6 | 7,900  | 42.8 | 264.6 | 5,900 | 220 |
| 225 | 26.8 | 224.0 | 10,900 | 32.2 | 239.8 | 9,400  | 36.8 | 251.1 | 7,400  | 40.9 | 258.9 | 5,400 | 225 |
| 230 | 23.7 | 213.3 | 10,400 | 29.7 | 231.3 | 8,800  | 34.6 | 244.0 | 6,900  |      |       |       | 230 |
| 231 | 22.4 | 210.7 | 10,300 | 28.4 | 229.5 | 8,700  | 33.6 | 242.5 | 6,800  |      |       |       | 231 |
| 235 | 20.2 | 200.6 | 9,900  | 26.9 | 221.9 | 8,300  | 32.2 | 236.3 | 6,400  |      |       |       | 235 |
| 240 | 15.9 | 185.0 | 9,300  | 23.8 | 211.2 | 7,700  | 29.6 | 227.9 | 5,900  |      |       |       | 240 |
| 241 | 13.8 | 180.5 | 9,200  | 22.4 | 208.7 | 7,600  | 28.4 | 226.0 | 5,800  |      |       |       | 241 |
| 245 | 9.9  | 162.5 | 8,800  | 20.3 | 198.7 | 7,200  | 26.9 | 218.4 | 5,400  |      |       |       | 245 |
| 248 | 1.7  | 131.0 | 8,500  | 17.6 | 189.4 | 6,900  |      |       |        |      |       |       | 248 |
| 250 |      |       |        | 16.1 | 183.1 | 6,700  |      |       |        |      |       |       | 250 |
| 258 |      |       |        | 3.0  | 133.7 | 5,900  |      |       |        |      |       |       | 258 |



184,600 lb  
+  
44,000 lb

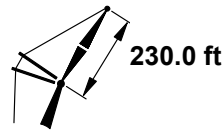
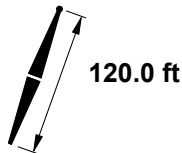


|     |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |      |  |  |      |  |  |       |  |  |  |
|     | ft                                                                                    | ft                                                                                | lb                                                                                | ft                                                                                    | lb                                                                                | ft                                                                                | ft                                                                                      | lb                                                                                  | ft                                                                                  |                                                                                     |
| 69  | 75.8                                                                                  | 350.7                                                                             | 33,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 69                                                                                  |                                                                                     |
| 70  | 75.6                                                                                  | 350.5                                                                             | 33,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 70                                                                                  |                                                                                     |
| 75  | 74.3                                                                                  | 349.1                                                                             | 33,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 75                                                                                  |                                                                                     |
| 80  | 73.0                                                                                  | 347.6                                                                             | 33,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 80                                                                                  |                                                                                     |
| 81  | 71.8                                                                                  | 347.3                                                                             | 33,100                                                                            | 73.8                                                                                  | 348.3                                                                             | 38,200                                                                            |                                                                                         |                                                                                     | 81                                                                                  |                                                                                     |
| 85  | 71.7                                                                                  | 346.0                                                                             | 32,900                                                                            | 72.8                                                                                  | 347.0                                                                             | 38,000                                                                            |                                                                                         |                                                                                     | 85                                                                                  |                                                                                     |
| 90  | 70.4                                                                                  | 344.2                                                                             | 32,600                                                                            | 71.5                                                                                  | 345.4                                                                             | 37,700                                                                            |                                                                                         |                                                                                     | 90                                                                                  |                                                                                     |
| 95  | 69.0                                                                                  | 342.3                                                                             | 32,200                                                                            | 70.1                                                                                  | 343.6                                                                             | 37,400                                                                            |                                                                                         |                                                                                     | 95                                                                                  |                                                                                     |
| 98  | 67.8                                                                                  | 341.1                                                                             | 32,000                                                                            | 68.8                                                                                  | 342.5                                                                             | 37,200                                                                            | 71.0                                                                                    | 344.1                                                                               | 36,600                                                                              |                                                                                     |
| 100 | 67.7                                                                                  | 340.3                                                                             | 31,800                                                                            | 68.8                                                                                  | 341.7                                                                             | 37,000                                                                            | 70.5                                                                                    | 343.3                                                                               | 36,500                                                                              |                                                                                     |
| 105 | 66.3                                                                                  | 338.1                                                                             | 31,400                                                                            | 67.5                                                                                  | 339.7                                                                             | 36,700                                                                            | 69.1                                                                                    | 341.5                                                                               | 36,300                                                                              |                                                                                     |
| 110 | 65.0                                                                                  | 335.9                                                                             | 31,100                                                                            | 66.1                                                                                  | 337.5                                                                             | 36,400                                                                            | 67.8                                                                                    | 339.5                                                                               | 36,100                                                                              |                                                                                     |
| 115 | 63.6                                                                                  | 333.4                                                                             | 30,700                                                                            | 64.7                                                                                  | 335.2                                                                             | 36,100                                                                            | 66.4                                                                                    | 337.3                                                                               | 35,900                                                                              |                                                                                     |
| 116 | 62.8                                                                                  | 332.9                                                                             | 30,500                                                                            | 63.8                                                                                  | 334.7                                                                             | 35,900                                                                            | 65.8                                                                                    | 336.9                                                                               | 35,700                                                                              |                                                                                     |
| 120 | 62.2                                                                                  | 330.8                                                                             | 29,900                                                                            | 63.3                                                                                  | 332.7                                                                             | 34,900                                                                            | 65.1                                                                                    | 335.0                                                                               | 34,900                                                                              |                                                                                     |
| 125 | 60.7                                                                                  | 328.0                                                                             | 28,700                                                                            | 61.9                                                                                  | 330.1                                                                             | 33,700                                                                            | 63.7                                                                                    | 332.6                                                                               | 32,900                                                                              |                                                                                     |
| 130 | 59.3                                                                                  | 325.1                                                                             | 27,500                                                                            | 60.5                                                                                  | 327.3                                                                             | 32,500                                                                            | 62.3                                                                                    | 330.0                                                                               | 31,000                                                                              |                                                                                     |
| 135 | 57.8                                                                                  | 322.0                                                                             | 26,300                                                                            | 59.1                                                                                  | 324.3                                                                             | 30,900                                                                            | 60.9                                                                                    | 327.3                                                                               | 29,200                                                                              |                                                                                     |
| 140 | 56.3                                                                                  | 318.8                                                                             | 25,200                                                                            | 57.6                                                                                  | 321.2                                                                             | 29,200                                                                            | 59.4                                                                                    | 324.4                                                                               | 27,600                                                                              |                                                                                     |
| 144 | 54.4                                                                                  | 316.0                                                                             | 24,400                                                                            | 56.2                                                                                  | 318.6                                                                             | 28,000                                                                            | 57.4                                                                                    | 321.9                                                                               | 26,400                                                                              |                                                                                     |
| 145 | 54.8                                                                                  | 315.3                                                                             | 24,100                                                                            | 56.1                                                                                  | 317.9                                                                             | 27,700                                                                            | 58.0                                                                                    | 321.3                                                                               | 26,100                                                                              |                                                                                     |
| 150 | 53.3                                                                                  | 311.6                                                                             | 23,100                                                                            | 54.6                                                                                  | 314.4                                                                             | 26,200                                                                            | 56.5                                                                                    | 318.0                                                                               | 24,700                                                                              |                                                                                     |
| 155 | 51.7                                                                                  | 307.7                                                                             | 22,100                                                                            | 53.0                                                                                  | 310.7                                                                             | 24,900                                                                            | 55.0                                                                                    | 314.6                                                                               | 23,500                                                                              |                                                                                     |
| 160 | 50.1                                                                                  | 303.6                                                                             | 21,200                                                                            | 51.4                                                                                  | 306.8                                                                             | 23,600                                                                            | 53.4                                                                                    | 310.9                                                                               | 22,200                                                                              |                                                                                     |
| 165 | 48.4                                                                                  | 299.3                                                                             | 20,300                                                                            | 49.8                                                                                  | 302.6                                                                             | 22,500                                                                            | 51.8                                                                                    | 307.1                                                                               | 21,100                                                                              |                                                                                     |
| 170 | 46.7                                                                                  | 294.6                                                                             | 19,400                                                                            | 48.2                                                                                  | 298.2                                                                             | 21,400                                                                            | 50.2                                                                                    | 303.0                                                                               | 20,100                                                                              |                                                                                     |
| 171 | 45.6                                                                                  | 293.7                                                                             | 19,200                                                                            | 47.6                                                                                  | 297.3                                                                             | 21,100                                                                            | 49.6                                                                                    | 302.1                                                                               | 19,900                                                                              |                                                                                     |
| 175 | 45.0                                                                                  | 289.7                                                                             | 18,600                                                                            | 46.5                                                                                  | 293.6                                                                             | 20,300                                                                            | 48.6                                                                                    | 298.6                                                                               | 19,100                                                                              |                                                                                     |
| 180 | 43.2                                                                                  | 284.5                                                                             | 17,800                                                                            | 44.7                                                                                  | 288.6                                                                             | 19,300                                                                            | 46.9                                                                                    | 294.0                                                                               | 18,100                                                                              |                                                                                     |
| 185 | 41.3                                                                                  | 279.0                                                                             | 17,100                                                                            | 42.9                                                                                  | 283.3                                                                             | 18,400                                                                            | 45.1                                                                                    | 289.1                                                                               | 17,300                                                                              |                                                                                     |
| 190 | 39.4                                                                                  | 273.0                                                                             | 16,400                                                                            | 41.0                                                                                  | 277.7                                                                             | 17,600                                                                            | 43.4                                                                                    | 284.0                                                                               | 16,400                                                                              |                                                                                     |
| 195 | 37.4                                                                                  | 266.6                                                                             | 15,800                                                                            | 39.1                                                                                  | 271.7                                                                             | 16,600                                                                            | 41.5                                                                                    | 278.4                                                                               | 15,600                                                                              |                                                                                     |
| 200 | 35.3                                                                                  | 259.7                                                                             | 15,000                                                                            | 37.0                                                                                  | 265.2                                                                             | 15,700                                                                            | 39.6                                                                                    | 272.5                                                                               | 14,900                                                                              |                                                                                     |
| 205 | 33.0                                                                                  | 252.3                                                                             | 14,100                                                                            | 34.9                                                                                  | 258.3                                                                             | 14,800                                                                            | 37.6                                                                                    | 266.2                                                                               | 14,200                                                                              |                                                                                     |
| 210 | 30.6                                                                                  | 244.1                                                                             | 13,300                                                                            | 32.6                                                                                  | 250.7                                                                             | 14,000                                                                            | 35.4                                                                                    | 259.3                                                                               | 13,500                                                                              |                                                                                     |
| 220 | 25.3                                                                                  | 225.0                                                                             | 11,800                                                                            | 27.6                                                                                  | 233.2                                                                             | 12,400                                                                            | 30.8                                                                                    | 243.8                                                                               | 12,200                                                                              |                                                                                     |
| 230 | 18.5                                                                                  | 199.7                                                                             | 10,500                                                                            | 21.6                                                                                  | 211.0                                                                             | 11,000                                                                            | 25.5                                                                                    | 224.9                                                                               | 11,000                                                                              |                                                                                     |
| 240 | 6.7                                                                                   | 153.7                                                                             | 7,400                                                                             | 13.0                                                                                  | 178.3                                                                             | 9,600                                                                             | 18.8                                                                                    | 199.9                                                                               | 10,000                                                                              |                                                                                     |
| 241 | 3.9                                                                                   | 142.3                                                                             | 6,700                                                                             | 11.2                                                                                  | 171.5                                                                             | 9,100                                                                             | 17.2                                                                                    | 196.5                                                                               | 9,900                                                                               |                                                                                     |
| 245 |                                                                                       |                                                                                   |                                                                                   | 4.5                                                                                   | 144.6                                                                             | 7,300                                                                             | 14.4                                                                                    | 182.8                                                                               | 9,400                                                                               |                                                                                     |
| 250 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.6                                                                                     | 156.2                                                                               | 8,600                                                                               |                                                                                     |
| 251 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.3                                                                                     | 146.9                                                                               | 8,000                                                                               |                                                                                     |
| 258 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     |
| 260 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     |                                                                                     |

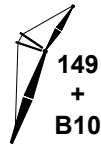




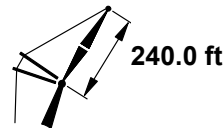
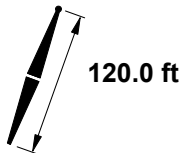
184,600 lb  
+  
44,000 lb

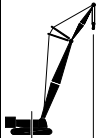
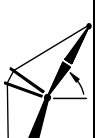
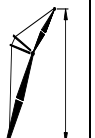
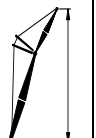
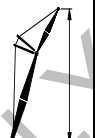
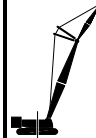


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 69  |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 81  |      |       |        |      |       |        |      |       |        | 81  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 98  |      |       |        |      |       |        |      |       |        | 98  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        |      |       |        | 115 |
| 116 | 67.8 | 338.5 | 34,800 |      |       |        |      |       |        | 116 |
| 120 | 66.8 | 336.8 | 33,000 |      |       |        |      |       |        | 120 |
| 125 | 65.4 | 334.5 | 31,100 |      |       |        |      |       |        | 125 |
| 130 | 64.0 | 332.1 | 29,200 |      |       |        |      |       |        | 130 |
| 135 | 62.6 | 329.6 | 27,600 |      |       |        |      |       |        | 135 |
| 140 | 61.2 | 326.9 | 26,000 |      |       |        |      |       |        | 140 |
| 144 | 59.4 | 324.6 | 24,900 | 62.9 | 327.8 | 22,400 |      |       |        | 144 |
| 145 | 59.8 | 324.0 | 24,600 | 62.7 | 327.2 | 22,100 |      |       |        | 145 |
| 150 | 58.3 | 321.0 | 23,300 | 61.3 | 324.5 | 20,900 |      |       |        | 150 |
| 155 | 56.8 | 317.8 | 22,000 | 59.8 | 321.7 | 19,700 |      |       |        | 155 |
| 160 | 55.3 | 314.4 | 20,900 | 58.4 | 318.6 | 18,600 |      |       |        | 160 |
| 165 | 53.8 | 310.8 | 19,800 | 56.9 | 315.4 | 17,600 |      |       |        | 165 |
| 170 | 52.2 | 307.0 | 18,800 | 55.4 | 312.0 | 16,700 |      |       |        | 170 |
| 171 | 51.6 | 306.1 | 18,600 | 54.6 | 311.3 | 16,500 | 58.0 | 314.6 | 14,400 | 171 |
| 175 | 50.6 | 302.9 | 17,800 | 53.8 | 308.4 | 15,800 | 56.9 | 312.0 | 13,800 | 175 |
| 180 | 49.0 | 298.6 | 16,900 | 52.3 | 304.6 | 14,900 | 55.4 | 308.6 | 12,900 | 180 |
| 185 | 47.3 | 294.1 | 16,100 | 50.7 | 300.6 | 14,200 | 53.8 | 305.0 | 12,100 | 185 |
| 190 | 45.6 | 289.3 | 15,300 | 49.0 | 296.3 | 13,400 | 52.3 | 301.2 | 11,400 | 190 |
| 195 | 43.8 | 284.2 | 14,500 | 47.4 | 291.8 | 12,700 | 50.7 | 297.2 | 10,600 | 195 |
| 200 | 41.9 | 278.7 | 13,800 | 45.6 | 287.0 | 12,000 | 49.0 | 292.9 | 9,900  | 200 |
| 205 | 40.0 | 272.9 | 13,100 | 43.9 | 281.9 | 11,400 | 47.3 | 288.4 | 9,300  | 205 |
| 210 | 38.0 | 266.7 | 12,500 | 42.0 | 276.5 | 10,800 | 45.6 | 283.6 | 8,700  | 210 |
| 220 | 33.8 | 252.7 | 11,200 | 38.1 | 264.4 | 9,600  | 42.0 | 273.1 | 7,500  | 220 |
| 230 | 28.9 | 236.1 | 10,100 | 33.8 | 250.5 | 8,400  | 38.1 | 261.0 | 6,400  | 230 |
| 240 | 23.2 | 215.3 | 9,100  | 29.0 | 233.9 | 7,300  | 33.8 | 247.1 | 5,400  | 240 |
| 241 | 22.2 | 212.7 | 9,000  | 28.4 | 232.0 | 7,200  |      |       |        | 241 |
| 245 | 19.7 | 202.4 | 8,600  | 26.3 | 224.3 | 6,800  |      |       |        | 245 |
| 250 | 15.5 | 186.3 | 8,100  | 23.3 | 213.3 | 6,300  |      |       |        | 250 |
| 251 | 13.3 | 179.4 | 8,000  | 22.2 | 210.4 | 6,200  |      |       |        | 251 |
| 258 | 1.6  | 131.1 | 7,300  | 16.6 | 190.3 | 5,600  |      |       |        | 258 |
| 260 |      |       |        | 15.7 | 184.5 | 5,400  |      |       |        | 260 |



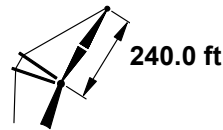
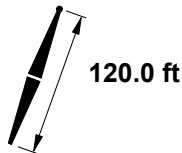
184,600 lb  
+  
44,000 lb



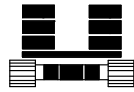
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 71                                                                                | 75.9                                                                                  | 360.5                                                                             | 30,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 71                                                                                  |
| 75                                                                                | 75.0                                                                                  | 359.5                                                                             | 30,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.7                                                                                  | 358.0                                                                             | 30,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 83                                                                                | 72.4                                                                                  | 357.1                                                                             | 30,000                                                                            | 74.0                                                                                  | 358.1                                                                             | 34,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 83                                                                                  |
| 85                                                                                | 72.5                                                                                  | 356.5                                                                             | 29,900                                                                            | 73.5                                                                                  | 357.5                                                                             | 34,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 71.2                                                                                  | 354.8                                                                             | 29,600                                                                            | 72.3                                                                                  | 355.9                                                                             | 34,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.9                                                                                  | 353.0                                                                             | 29,300                                                                            | 71.0                                                                                  | 354.2                                                                             | 33,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 68.7                                                                                  | 351.1                                                                             | 29,000                                                                            | 69.7                                                                                  | 352.4                                                                             | 33,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 102                                                                               | 67.6                                                                                  | 350.3                                                                             | 28,900                                                                            | 68.6                                                                                  | 351.6                                                                             | 33,500                                                                            | 70.8                                                                                    | 353.2                                                                               | 32,900                                                                              | 102                                                                                 |
| 105                                                                               | 67.4                                                                                  | 349.1                                                                             | 28,700                                                                            | 68.4                                                                                  | 350.5                                                                             | 33,300                                                                            | 70.0                                                                                    | 352.2                                                                               | 32,800                                                                              | 105                                                                                 |
| 110                                                                               | 66.1                                                                                  | 346.9                                                                             | 28,400                                                                            | 67.2                                                                                  | 348.4                                                                             | 33,000                                                                            | 68.8                                                                                    | 350.3                                                                               | 32,600                                                                              | 110                                                                                 |
| 115                                                                               | 64.8                                                                                  | 344.5                                                                             | 28,200                                                                            | 65.9                                                                                  | 346.2                                                                             | 32,700                                                                            | 67.5                                                                                    | 348.2                                                                               | 32,400                                                                              | 115                                                                                 |
| 120                                                                               | 63.4                                                                                  | 342.1                                                                             | 27,900                                                                            | 64.5                                                                                  | 343.9                                                                             | 32,400                                                                            | 66.2                                                                                    | 346.0                                                                               | 32,200                                                                              | 120                                                                                 |
| 125                                                                               | 62.1                                                                                  | 339.5                                                                             | 27,600                                                                            | 63.2                                                                                  | 341.4                                                                             | 32,000                                                                            | 64.9                                                                                    | 343.7                                                                               | 31,900                                                                              | 125                                                                                 |
| 130                                                                               | 60.7                                                                                  | 336.7                                                                             | 26,500                                                                            | 61.9                                                                                  | 338.7                                                                             | 30,900                                                                            | 63.5                                                                                    | 341.3                                                                               | 30,500                                                                              | 130                                                                                 |
| 135                                                                               | 59.3                                                                                  | 333.8                                                                             | 25,400                                                                            | 60.5                                                                                  | 335.9                                                                             | 29,900                                                                            | 62.2                                                                                    | 338.7                                                                               | 28,800                                                                              | 135                                                                                 |
| 140                                                                               | 57.9                                                                                  | 330.7                                                                             | 24,400                                                                            | 59.1                                                                                  | 333.0                                                                             | 28,800                                                                            | 60.8                                                                                    | 335.9                                                                               | 27,200                                                                              | 140                                                                                 |
| 145                                                                               | 56.5                                                                                  | 327.4                                                                             | 23,500                                                                            | 57.7                                                                                  | 329.9                                                                             | 27,300                                                                            | 59.4                                                                                    | 333.0                                                                               | 25,700                                                                              | 145                                                                                 |
| 149                                                                               | 55.2                                                                                  | 324.7                                                                             | 22,700                                                                            | 56.2                                                                                  | 327.2                                                                             | 26,100                                                                            | 58.2                                                                                    | 330.6                                                                               | 24,600                                                                              | 149                                                                                 |
| 150                                                                               | 55.0                                                                                  | 324.0                                                                             | 22,500                                                                            | 56.3                                                                                  | 326.6                                                                             | 25,800                                                                            | 58.0                                                                                    | 329.9                                                                               | 24,300                                                                              | 150                                                                                 |
| 155                                                                               | 53.6                                                                                  | 320.4                                                                             | 21,600                                                                            | 54.8                                                                                  | 323.1                                                                             | 24,500                                                                            | 56.6                                                                                    | 326.7                                                                               | 23,000                                                                              | 155                                                                                 |
| 160                                                                               | 52.1                                                                                  | 316.5                                                                             | 20,700                                                                            | 53.3                                                                                  | 319.5                                                                             | 23,200                                                                            | 55.2                                                                                    | 323.3                                                                               | 21,800                                                                              | 160                                                                                 |
| 165                                                                               | 50.5                                                                                  | 312.5                                                                             | 19,800                                                                            | 51.8                                                                                  | 315.6                                                                             | 22,100                                                                            | 53.7                                                                                    | 319.7                                                                               | 20,700                                                                              | 165                                                                                 |
| 170                                                                               | 49.0                                                                                  | 308.2                                                                             | 19,000                                                                            | 50.3                                                                                  | 311.5                                                                             | 21,000                                                                            | 52.2                                                                                    | 315.8                                                                               | 19,600                                                                              | 170                                                                                 |
| 175                                                                               | 47.4                                                                                  | 303.7                                                                             | 18,200                                                                            | 48.7                                                                                  | 307.2                                                                             | 19,900                                                                            | 50.7                                                                                    | 311.8                                                                               | 18,600                                                                              | 175                                                                                 |
| 177                                                                               | 46.2                                                                                  | 301.8                                                                             | 17,900                                                                            | 47.6                                                                                  | 305.3                                                                             | 19,500                                                                            | 49.6                                                                                    | 310.1                                                                               | 18,300                                                                              | 177                                                                                 |
| 180                                                                               | 45.7                                                                                  | 298.9                                                                             | 17,500                                                                            | 47.1                                                                                  | 302.6                                                                             | 18,900                                                                            | 49.1                                                                                    | 307.6                                                                               | 17,700                                                                              | 180                                                                                 |
| 185                                                                               | 44.0                                                                                  | 293.8                                                                             | 16,800                                                                            | 45.4                                                                                  | 297.8                                                                             | 18,000                                                                            | 47.5                                                                                    | 303.0                                                                               | 16,800                                                                              | 185                                                                                 |
| 190                                                                               | 42.2                                                                                  | 288.4                                                                             | 16,100                                                                            | 43.7                                                                                  | 292.6                                                                             | 17,100                                                                            | 45.8                                                                                    | 298.3                                                                               | 16,000                                                                              | 190                                                                                 |
| 195                                                                               | 40.4                                                                                  | 282.7                                                                             | 15,300                                                                            | 41.9                                                                                  | 287.2                                                                             | 16,100                                                                            | 44.1                                                                                    | 293.2                                                                               | 15,200                                                                              | 195                                                                                 |
| 200                                                                               | 38.5                                                                                  | 276.5                                                                             | 14,400                                                                            | 40.1                                                                                  | 281.4                                                                             | 15,200                                                                            | 42.4                                                                                    | 287.9                                                                               | 14,500                                                                              | 200                                                                                 |
| 205                                                                               | 36.6                                                                                  | 269.9                                                                             | 13,600                                                                            | 38.2                                                                                  | 275.2                                                                             | 14,300                                                                            | 40.6                                                                                    | 282.1                                                                               | 13,700                                                                              | 205                                                                                 |
| 210                                                                               | 34.5                                                                                  | 262.8                                                                             | 12,800                                                                            | 36.2                                                                                  | 268.5                                                                             | 13,500                                                                            | 38.7                                                                                    | 276.0                                                                               | 13,100                                                                              | 210                                                                                 |
| 215                                                                               | 32.3                                                                                  | 255.2                                                                             | 12,000                                                                            | 34.1                                                                                  | 261.3                                                                             | 12,700                                                                            | 36.7                                                                                    | 269.5                                                                               | 12,400                                                                              | 215                                                                                 |
| 220                                                                               | 30.0                                                                                  | 246.8                                                                             | 11,300                                                                            | 31.9                                                                                  | 253.5                                                                             | 11,900                                                                            | 34.7                                                                                    | 262.4                                                                               | 11,800                                                                              | 220                                                                                 |
| 230                                                                               | 24.7                                                                                  | 227.2                                                                             | 10,000                                                                            | 27.0                                                                                  | 235.6                                                                             | 10,500                                                                            | 30.2                                                                                    | 246.5                                                                               | 10,600                                                                              | 230                                                                                 |
| 235                                                                               | 21.6                                                                                  | 215.3                                                                             | 9,300                                                                             | 24.2                                                                                  | 225.1                                                                             | 9,800                                                                             | 27.7                                                                                    | 237.3                                                                               | 10,100                                                                              | 235                                                                                 |
| 240                                                                               | 18.1                                                                                  | 201.3                                                                             | 8,700                                                                             | 21.1                                                                                  | 212.9                                                                             | 9,200                                                                             | 25.0                                                                                    | 227.1                                                                               | 9,600                                                                               | 240                                                                                 |
| 250                                                                               | 6.6                                                                                   | 154.3                                                                             | 5,900                                                                             | 12.7                                                                                  | 179.4                                                                             | 7,900                                                                             | 18.4                                                                                    | 201.5                                                                               | 8,600                                                                               | 250                                                                                 |
| 251                                                                               | 3.8                                                                                   | 142.6                                                                             | 5,200                                                                             | 10.4                                                                                  | 172.5                                                                             | 7,400                                                                             | 17.2                                                                                    | 198.0                                                                               | 8,500                                                                               | 251                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.4                                                                                   | 145.0                                                                             | 5,700                                                                             | 14.0                                                                                    | 184.0                                                                               | 8,100                                                                               | 255                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.5                                                                                     | 156.8                                                                               | 7,000                                                                               | 260                                                                                 |
| 261                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.2                                                                                     | 147.3                                                                               | 6,400                                                                               | 261                                                                                 |
| 268                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 268                                                                                 |



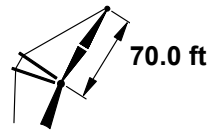
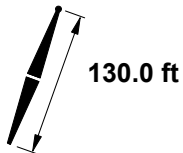
184,600 lb  
+  
44,000 lb

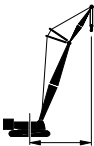
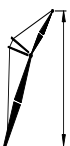
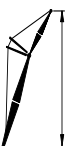


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|
|     |      |       |        |      |       |        |      |       |        |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |
| 71  |      |       |        |      |       |        |      |       | 71     |
| 75  |      |       |        |      |       |        |      |       | 75     |
| 80  |      |       |        |      |       |        |      |       | 80     |
| 83  |      |       |        |      |       |        |      |       | 83     |
| 85  |      |       |        |      |       |        |      |       | 85     |
| 90  |      |       |        |      |       |        |      |       | 90     |
| 95  |      |       |        |      |       |        |      |       | 95     |
| 100 |      |       |        |      |       |        |      |       | 100    |
| 102 |      |       |        |      |       |        |      |       | 102    |
| 105 |      |       |        |      |       |        |      |       | 105    |
| 110 |      |       |        |      |       |        |      |       | 110    |
| 115 |      |       |        |      |       |        |      |       | 115    |
| 120 | 67.8 | 347.7 | 32,600 |      |       |        |      |       | 120    |
| 125 | 66.5 | 345.5 | 30,600 |      |       |        |      |       | 125    |
| 130 | 65.2 | 343.2 | 28,800 |      |       |        |      |       | 130    |
| 135 | 63.9 | 340.8 | 27,100 |      |       |        |      |       | 135    |
| 140 | 62.5 | 338.3 | 25,600 |      |       |        |      |       | 140    |
| 145 | 61.2 | 335.6 | 24,100 |      |       |        |      |       | 145    |
| 149 | 59.4 | 333.3 | 23,100 | 62.8 | 336.4 | 20,600 |      |       | 149    |
| 150 | 59.8 | 332.7 | 22,800 | 62.6 | 335.9 | 20,400 |      |       | 150    |
| 155 | 58.4 | 329.7 | 21,600 | 61.2 | 333.2 | 19,200 |      |       | 155    |
| 160 | 57.0 | 326.5 | 20,400 | 59.8 | 330.3 | 18,100 |      |       | 160    |
| 165 | 55.5 | 323.1 | 19,300 | 58.4 | 327.3 | 17,100 |      |       | 165    |
| 170 | 54.1 | 319.5 | 18,300 | 57.0 | 324.1 | 16,200 |      |       | 170    |
| 175 | 52.6 | 315.7 | 17,400 | 55.6 | 320.7 | 15,300 |      |       | 175    |
| 177 | 51.6 | 314.1 | 17,000 | 54.6 | 319.3 | 15,000 | 57.8 | 322.7 | 12,700 |
| 180 | 51.0 | 311.8 | 16,500 | 54.1 | 317.2 | 14,500 | 57.0 | 320.7 | 12,200 |
| 185 | 49.5 | 307.5 | 15,600 | 52.6 | 313.4 | 13,700 | 55.6 | 317.3 | 11,400 |
| 190 | 47.9 | 303.1 | 14,800 | 51.1 | 309.4 | 12,900 | 54.1 | 313.8 | 10,600 |
| 195 | 46.2 | 298.4 | 14,100 | 49.5 | 305.2 | 12,200 | 52.6 | 310.0 | 9,900  |
| 200 | 44.6 | 293.4 | 13,400 | 47.9 | 300.8 | 11,500 | 51.1 | 306.0 | 9,200  |
| 205 | 42.8 | 288.1 | 12,700 | 46.3 | 296.1 | 10,800 | 49.5 | 301.8 | 8,600  |
| 210 | 41.0 | 282.5 | 12,000 | 44.6 | 291.1 | 10,200 | 47.9 | 297.4 | 7,900  |
| 215 | 39.2 | 276.5 | 11,400 | 42.9 | 285.9 | 9,500  | 46.3 | 292.7 | 7,400  |
| 220 | 37.2 | 270.1 | 10,800 | 41.1 | 280.2 | 8,900  | 44.6 | 287.7 | 6,800  |
| 230 | 33.0 | 255.7 | 9,700  | 37.3 | 267.8 | 7,700  | 41.1 | 276.8 | 5,700  |
| 235 | 30.7 | 247.5 | 9,200  | 35.2 | 260.9 | 7,200  | 39.2 | 270.8 | 5,200  |
| 240 | 28.3 | 238.6 | 8,700  | 33.1 | 253.5 | 6,700  |      |       |        |
| 250 | 22.7 | 217.3 | 7,600  | 28.4 | 236.5 | 5,700  |      |       |        |
| 251 | 21.4 | 214.7 | 7,500  | 27.4 | 234.5 | 5,600  |      |       |        |
| 255 | 19.3 | 204.1 | 7,100  | 25.7 | 226.5 | 5,200  |      |       |        |
| 260 | 15.2 | 187.6 | 6,600  |      |       |        |      |       |        |
| 261 | 13.3 | 180.6 | 6,500  |      |       |        |      |       |        |
| 268 | 1.6  | 131.2 | 5,800  |      |       |        |      |       |        |



184,600 lb  
+  
44,000 lb



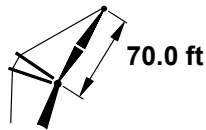
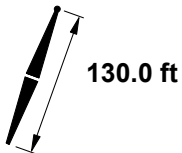
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 32                                                                                   | 74.3                                                                                  | 205.1                                                                                | 146,900 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 32                                                                                     |
| 34                                                                                   | 72.6                                                                                  | 204.4                                                                                | 141,900 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 34                                                                                     |
| 36                                                                                   | 70.8                                                                                  | 203.7                                                                                | 137,200 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 36                                                                                     |
| 37                                                                                   | 69.5                                                                                  | 203.3                                                                                | 134,900 d                                                                            | 73.9                                                                                  | 204.6                                                                                | 144,300 d                                                                            |                                                                                         |                                                                                        |                                                                                        | 37                                                                                     |
| 38                                                                                   | 69.1                                                                                  | 202.9                                                                                | 132,600 d                                                                            | 73.0                                                                                  | 204.3                                                                                | 141,900 d                                                                            |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 67.3                                                                                  | 202.1                                                                                | 128,300 c                                                                            | 71.3                                                                                  | 203.6                                                                                | 137,200 d                                                                            |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 62.7                                                                                  | 199.7                                                                                | 118,400 b                                                                            | 66.9                                                                                  | 201.6                                                                                | 126,500 c                                                                            |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 48                                                                                   | 59.0                                                                                  | 197.9                                                                                | 113,300 b                                                                            | 63.6                                                                                  | 200.1                                                                                | 120,800 c                                                                            | 70.2                                                                                    | 202.4                                                                                  | 130,400 d                                                                              | 48                                                                                     |
| 50                                                                                   | 58.0                                                                                  | 196.7                                                                                | 109,800 b                                                                            | 62.3                                                                                  | 199.1                                                                                | 117,000 b                                                                            | 68.4                                                                                    | 201.6                                                                                  | 123,500 d                                                                              | 50                                                                                     |
| 55                                                                                   | 52.9                                                                                  | 193.1                                                                                | 102,300                                                                              | 57.5                                                                                  | 196.1                                                                                | 108,600                                                                              | 63.9                                                                                    | 199.3                                                                                  | 109,000 b                                                                              | 55                                                                                     |
| 58                                                                                   | 49.0                                                                                  | 190.5                                                                                | 98,400                                                                               | 54.0                                                                                  | 193.9                                                                                | 104,000                                                                              | 60.6                                                                                    | 197.6                                                                                  | 102,000 b                                                                              | 58                                                                                     |
| 60                                                                                   | 47.5                                                                                  | 188.8                                                                                | 95,700                                                                               | 52.5                                                                                  | 192.4                                                                                | 101,000                                                                              | 59.2                                                                                    | 196.4                                                                                  | 97,400 b                                                                               | 60                                                                                     |
| 65                                                                                   | 41.6                                                                                  | 183.5                                                                                | 90,000                                                                               | 47.0                                                                                  | 188.0                                                                                | 91,100                                                                               | 54.3                                                                                    | 193.0                                                                                  | 87,900                                                                                 | 65                                                                                     |
| 70                                                                                   | 34.8                                                                                  | 176.9                                                                                | 84,800                                                                               | 41.0                                                                                  | 182.7                                                                                | 82,800                                                                               | 49.0                                                                                    | 188.9                                                                                  | 79,900                                                                                 | 70                                                                                     |
| 74                                                                                   | 27.6                                                                                  | 169.9                                                                                | 79,000                                                                               | 35.2                                                                                  | 177.2                                                                                | 77,200                                                                               | 44.0                                                                                    | 184.9                                                                                  | 74,500                                                                                 | 74                                                                                     |
| 75                                                                                   | 26.5                                                                                  | 168.1                                                                                | 77,600                                                                               | 34.1                                                                                  | 175.9                                                                                | 75,800                                                                               | 43.2                                                                                    | 183.9                                                                                  | 73,200                                                                                 | 75                                                                                     |
| 80                                                                                   | 14.1                                                                                  | 153.8                                                                                | 65,900                                                                               | 25.6                                                                                  | 166.8                                                                                | 69,800                                                                               | 36.7                                                                                    | 177.7                                                                                  | 67,300                                                                                 | 80                                                                                     |
| 81                                                                                   | 9.7                                                                                   | 148.6                                                                                | 60,400                                                                               | 22.4                                                                                  | 163.7                                                                                | 68,700                                                                               | 34.4                                                                                    | 176.1                                                                                  | 66,300                                                                                 | 81                                                                                     |
| 85                                                                                   |                                                                                       |                                                                                      |                                                                                      | 12.2                                                                                  | 151.3                                                                                | 64,400                                                                               | 28.9                                                                                    | 169.6                                                                                  | 62,300                                                                                 | 85                                                                                     |
| 86                                                                                   |                                                                                       |                                                                                      |                                                                                      | 6.6                                                                                   | 144.4                                                                                | 58,800                                                                               | 26.0                                                                                    | 167.2                                                                                  | 61,400                                                                                 | 86                                                                                     |
| 90                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 18.1                                                                                    | 157.5                                                                                  | 57,700                                                                                 | 90                                                                                     |
| 93                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.9                                                                                     | 140.5                                                                                  | 55,100                                                                                 | 93                                                                                     |
| 95                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 99                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 99                                                                                     |
| 100                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 100                                                                                    |
| 105                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 105                                                                                    |
| 106                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 106                                                                                    |
| 110                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 110                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 115                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 120                                                                                    |
| 121                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 121                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 131                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 131                                                                                    |

# MLC250 S-2

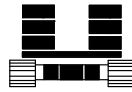
ASME B30.5



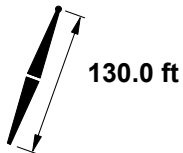
184,600 lb  
+  
44,000 lb

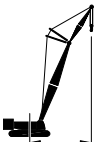
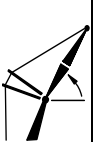
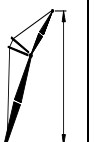
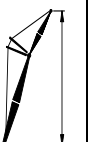
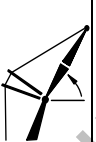
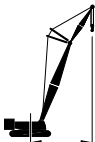


|     | 80°  |       |                 | 75°  |       |                 | 70°  |       |                 | 65°  |       |        |     |
|-----|------|-------|-----------------|------|-------|-----------------|------|-------|-----------------|------|-------|--------|-----|
|     |      |       |                 |      |       |                 |      |       |                 |      |       |        |     |
|     | ft   | ft    | lb              | ft   | lb    | ft              | lb   | ft    | lb              | ft   | lb    | ft     |     |
| 32  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 32  |
| 34  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 34  |
| 36  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 36  |
| 37  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 37  |
| 38  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 38  |
| 40  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 40  |
| 45  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 45  |
| 48  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 48  |
| 50  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 50  |
| 55  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 55  |
| 58  | 67.3 | 199.9 | 98,000 <b>c</b> |      |       |                 |      |       |                 |      |       |        | 58  |
| 60  | 65.5 | 199.0 | 93,800 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 60  |
| 65  | 60.9 | 196.3 | 84,600 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 65  |
| 70  | 56.0 | 193.1 | 77,000          |      |       |                 |      |       |                 |      |       |        | 70  |
| 74  | 51.2 | 190.0 | 71,800          | 62.8 | 194.8 | 67,100 <b>b</b> |      |       |                 |      |       |        | 74  |
| 75  | 50.8 | 189.3 | 70,500          | 61.8 | 194.3 | 65,900 <b>b</b> |      |       |                 |      |       |        | 75  |
| 80  | 45.2 | 184.6 | 64,900          | 57.0 | 191.2 | 60,700          |      |       |                 |      |       |        | 80  |
| 81  | 43.8 | 183.5 | 63,900          | 55.8 | 190.4 | 59,800          |      |       |                 |      |       |        | 81  |
| 85  | 39.0 | 178.9 | 60,000          | 51.9 | 187.5 | 56,200          |      |       |                 |      |       |        | 85  |
| 86  | 37.4 | 177.4 | 59,100          | 50.0 | 186.6 | 55,400          |      |       |                 |      |       |        | 86  |
| 90  | 31.7 | 171.5 | 55,700          | 46.4 | 183.0 | 52,200          | 57.8 | 188.1 | 48,600 <b>b</b> |      |       |        | 90  |
| 93  | 25.6 | 165.4 | 53,400          | 42.4 | 179.7 | 50,000          | 54.0 | 185.9 | 46,600 <b>b</b> |      |       |        | 93  |
| 95  | 22.4 | 161.3 | 51,900          | 40.4 | 177.5 | 48,600          | 52.7 | 184.5 | 45,300          |      |       |        | 95  |
| 99  | 9.7  | 146.4 | 49,000          | 34.4 | 172.0 | 46,100          | 48.0 | 181.0 | 42,900          |      |       |        | 99  |
| 100 |      |       |                 | 33.4 | 170.6 | 45,400          | 47.3 | 180.1 | 42,300          |      |       |        | 100 |
| 105 |      |       |                 | 24.6 | 161.1 | 42,500          | 41.3 | 174.8 | 39,700          |      |       |        | 105 |
| 106 |      |       |                 | 21.0 | 157.7 | 42,000          | 39.6 | 173.5 | 39,200          | 52.1 | 179.5 | 36,300 | 106 |
| 110 |      |       |                 | 9.9  | 143.9 | 39,800          | 34.5 | 168.2 | 37,300          | 47.8 | 176.0 | 34,600 | 110 |
| 115 |      |       |                 |      |       |                 | 26.1 | 159.2 | 35,000          | 41.8 | 170.8 | 32,500 | 115 |
| 120 |      |       |                 |      |       |                 | 13.3 | 144.4 | 32,900          | 35.1 | 164.2 | 30,600 | 120 |
| 121 |      |       |                 |      |       |                 | 8.5  | 138.6 | 32,500          | 33.2 | 162.5 | 30,300 | 121 |
| 125 |      |       |                 |      |       |                 |      |       |                 | 26.9 | 155.6 | 28,900 | 125 |
| 130 |      |       |                 |      |       |                 |      |       |                 | 14.8 | 141.6 | 27,200 | 130 |
| 131 |      |       |                 |      |       |                 |      |       |                 | 10.7 | 136.8 | 26,900 | 131 |



184,600 lb  
+  
44,000 lb



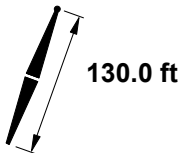
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 33                                                                                   | 75.6                                                                                  | 215.2                                                                                | 138,700 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 33                                                                                     |
| 34                                                                                   | 74.8                                                                                  | 214.9                                                                                | 136,500 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 34                                                                                     |
| 36                                                                                   | 73.3                                                                                  | 214.3                                                                                | 132,200 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 36                                                                                     |
| 38                                                                                   | 71.8                                                                                  | 213.6                                                                                | 128,000 d                                                                            |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 70.3                                                                                  | 212.9                                                                                | 124,000 c                                                                            | 73.7                                                                                  | 214.1                                                                                | 132,500 d                                                                            |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 66.4                                                                                  | 210.8                                                                                | 114,900 b                                                                            | 69.9                                                                                  | 212.4                                                                                | 122,500 c                                                                            |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 62.4                                                                                  | 208.3                                                                                | 106,800                                                                              | 66.0                                                                                  | 210.3                                                                                | 113,700 b                                                                            |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 51                                                                                   | 61.2                                                                                  | 207.7                                                                                | 105,300                                                                              | 65.2                                                                                  | 209.8                                                                                | 112,100 b                                                                            | 70.5                                                                                    | 211.9                                                                                  | 119,900 c                                                                              | 51                                                                                     |
| 55                                                                                   | 58.2                                                                                  | 205.4                                                                                | 99,500                                                                               | 62.0                                                                                  | 207.7                                                                                | 105,800                                                                              | 67.4                                                                                    | 210.3                                                                                  | 108,500 b                                                                              | 55                                                                                     |
| 60                                                                                   | 53.9                                                                                  | 201.9                                                                                | 93,200                                                                               | 57.8                                                                                  | 204.7                                                                                | 98,800                                                                               | 63.4                                                                                    | 207.9                                                                                  | 96,900 b                                                                               | 60                                                                                     |
| 61                                                                                   | 52.2                                                                                  | 201.1                                                                                | 92,100                                                                               | 56.2                                                                                  | 204.0                                                                                | 97,200                                                                               | 62.2                                                                                    | 207.4                                                                                  | 95,000 b                                                                               | 61                                                                                     |
| 65                                                                                   | 49.2                                                                                  | 197.8                                                                                | 87,500                                                                               | 53.4                                                                                  | 201.2                                                                                | 90,800                                                                               | 59.3                                                                                    | 205.1                                                                                  | 87,400                                                                                 | 65                                                                                     |
| 70                                                                                   | 44.2                                                                                  | 192.9                                                                                | 82,100                                                                               | 48.8                                                                                  | 197.0                                                                                | 82,600                                                                               | 55.0                                                                                    | 201.7                                                                                  | 79,500                                                                                 | 70                                                                                     |
| 75                                                                                   | 38.7                                                                                  | 187.1                                                                                | 75,000                                                                               | 43.7                                                                                  | 192.1                                                                                | 75,600                                                                               | 50.5                                                                                    | 197.8                                                                                  | 72,800                                                                                 | 75                                                                                     |
| 79                                                                                   | 33.2                                                                                  | 181.3                                                                                | 70,300                                                                               | 39.0                                                                                  | 187.3                                                                                | 70,800                                                                               | 46.0                                                                                    | 194.1                                                                                  | 68,200                                                                                 | 79                                                                                     |
| 80                                                                                   | 32.4                                                                                  | 179.8                                                                                | 69,100                                                                               | 38.2                                                                                  | 186.1                                                                                | 69,600                                                                               | 45.6                                                                                    | 193.2                                                                                  | 67,000                                                                                 | 80                                                                                     |
| 85                                                                                   | 24.7                                                                                  | 170.3                                                                                | 64,700                                                                               | 31.8                                                                                  | 178.7                                                                                | 64,400                                                                               | 40.2                                                                                    | 187.6                                                                                  | 62,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 13.1                                                                                  | 154.9                                                                                | 58,200                                                                               | 23.9                                                                                  | 168.9                                                                                | 59,800                                                                               | 34.2                                                                                    | 180.8                                                                                  | 57,600                                                                                 | 90                                                                                     |
| 91                                                                                   | 9.0                                                                                   | 149.3                                                                                | 53,500                                                                               | 20.6                                                                                  | 165.5                                                                                | 58,900                                                                               | 32.4                                                                                    | 179.0                                                                                  | 56,800                                                                                 | 91                                                                                     |
| 95                                                                                   |                                                                                       |                                                                                      |                                                                                      | 11.4                                                                                  | 152.2                                                                                | 55,600                                                                               | 26.9                                                                                    | 172.0                                                                                  | 53,600                                                                                 | 95                                                                                     |
| 96                                                                                   |                                                                                       |                                                                                      |                                                                                      | 6.1                                                                                   | 144.9                                                                                | 52,300                                                                               | 24.0                                                                                    | 169.4                                                                                  | 52,900                                                                                 | 96                                                                                     |
| 100                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 16.9                                                                                    | 159.0                                                                                  | 50,100                                                                                 | 100                                                                                    |
| 103                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.6                                                                                     | 140.7                                                                                  | 48,000                                                                                 | 103                                                                                    |
| 105                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 105                                                                                    |
| 109                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 109                                                                                    |
| 110                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 110                                                                                    |
| 112                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 112                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 115                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 120                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 131                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 131                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 141                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 141                                                                                    |

# MLC250 S-2

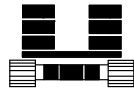
ASME B30.5



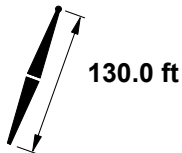
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 33  |      |       |          |      |       |        |      |       |        |      |       |        | 33  |
| 34  |      |       |          |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 51  |      |       |          |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 61  | 68.0 | 209.5 | 91,300 b |      |       |        |      |       |        |      |       |        | 61  |
| 65  | 64.8 | 207.7 | 84,100 b |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 60.8 | 205.0 | 76,500   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 56.5 | 201.8 | 70,000   |      |       |        |      |       |        |      |       |        | 75  |
| 79  | 52.8 | 198.9 | 65,500   | 62.4 | 203.5 | 61,100 |      |       |        |      |       |        | 79  |
| 80  | 52.1 | 198.1 | 64,400   | 61.6 | 202.9 | 60,100 |      |       |        |      |       |        | 80  |
| 85  | 47.3 | 193.7 | 59,600   | 57.4 | 199.9 | 55,600 |      |       |        |      |       |        | 85  |
| 90  | 42.1 | 188.5 | 55,300   | 53.0 | 196.3 | 51,600 |      |       |        |      |       |        | 90  |
| 91  | 40.8 | 187.2 | 54,600   | 52.0 | 195.4 | 50,900 |      |       |        |      |       |        | 91  |
| 95  | 36.3 | 182.2 | 51,600   | 48.3 | 192.0 | 48,100 |      |       |        |      |       |        | 95  |
| 96  | 34.6 | 180.6 | 50,900   | 47.0 | 191.0 | 47,500 | 57.2 | 196.1 | 44,100 |      |       |        | 96  |
| 100 | 29.6 | 174.2 | 48,200   | 43.2 | 187.0 | 45,000 | 53.7 | 193.3 | 41,800 |      |       |        | 100 |
| 103 | 23.6 | 167.5 | 46,400   | 39.4 | 183.4 | 43,300 | 50.6 | 190.8 | 40,200 |      |       |        | 103 |
| 105 | 20.9 | 163.1 | 45,200   | 37.6 | 181.0 | 42,200 | 49.0 | 189.1 | 39,100 |      |       |        | 105 |
| 109 | 9.0  | 147.1 | 42,800   | 32.2 | 174.9 | 40,100 | 45.0 | 185.2 | 37,200 |      |       |        | 109 |
| 110 |      |       |          | 31.1 | 173.4 | 39,600 | 44.0 | 184.2 | 36,800 |      |       |        | 110 |
| 112 |      |       |          | 27.4 | 169.3 | 38,700 | 41.6 | 181.9 | 35,900 | 52.2 | 187.5 | 33,100 | 112 |
| 115 |      |       |          | 22.9 | 163.2 | 37,300 | 38.5 | 178.4 | 34,600 | 49.4 | 185.0 | 31,900 | 115 |
| 120 |      |       |          | 9.2  | 144.7 | 35,000 | 32.2 | 171.0 | 32,600 | 44.4 | 180.1 | 30,100 | 120 |
| 125 |      |       |          |      |       |        | 24.3 | 161.4 | 30,800 | 39.0 | 174.4 | 28,400 | 125 |
| 130 |      |       |          |      |       |        | 12.4 | 145.4 | 29,000 | 32.7 | 167.2 | 26,800 | 130 |
| 131 |      |       |          |      |       |        | 7.9  | 139.3 | 28,600 | 30.6 | 165.3 | 26,500 | 131 |
| 135 |      |       |          |      |       |        |      |       |        | 25.1 | 157.8 | 25,400 | 135 |
| 140 |      |       |          |      |       |        |      |       |        | 13.7 | 142.8 | 24,000 | 140 |
| 141 |      |       |          |      |       |        |      |       |        | 10.0 | 137.6 | 23,700 | 141 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | ft   | ft    | lb        | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 35  | 75.9 | 225.0 | 124,600 d |      |       |           |      |       |           | 35  |
| 36  | 75.2 | 224.7 | 123,800 d |      |       |           |      |       |           | 36  |
| 38  | 73.9 | 224.1 | 122,200 d |      |       |           |      |       |           | 38  |
| 40  | 72.6 | 223.5 | 120,100 c |      |       |           |      |       |           | 40  |
| 43  | 70.2 | 222.4 | 115,000 c | 73.6 | 223.7 | 122,400 d |      |       |           | 43  |
| 45  | 69.2 | 221.7 | 111,600 b | 72.2 | 223.0 | 118,900 c |      |       |           | 45  |
| 50  | 65.7 | 219.5 | 104,000   | 68.8 | 221.2 | 110,700 b |      |       |           | 50  |
| 54  | 62.6 | 217.5 | 98,500    | 65.6 | 219.4 | 104,800 b | 70.7 | 221.5 | 110,900 b | 54  |
| 55  | 62.1 | 217.0 | 97,200    | 65.4 | 219.0 | 103,300   | 70.1 | 221.1 | 108,200 b | 55  |
| 60  | 58.4 | 214.0 | 91,100    | 61.8 | 216.4 | 96,600    | 66.6 | 219.0 | 96,600 b  | 60  |
| 65  | 54.6 | 210.6 | 85,600    | 58.1 | 213.4 | 90,600    | 63.1 | 216.6 | 87,200    | 65  |
| 70  | 50.5 | 206.7 | 80,000    | 54.2 | 210.0 | 82,400    | 59.4 | 213.8 | 79,200    | 70  |
| 75  | 46.2 | 202.1 | 73,000    | 50.1 | 206.0 | 75,400    | 55.6 | 210.5 | 72,500    | 75  |
| 80  | 41.6 | 196.8 | 66,800    | 45.8 | 201.3 | 69,400    | 51.6 | 206.7 | 66,800    | 80  |
| 83  | 38.0 | 192.9 | 63,600    | 42.6 | 198.1 | 66,300    | 48.6 | 204.0 | 63,800    | 83  |
| 85  | 36.4 | 190.4 | 61,500    | 41.1 | 195.9 | 64,200    | 47.4 | 202.3 | 61,800    | 85  |
| 90  | 30.5 | 182.6 | 57,100    | 35.9 | 189.4 | 59,700    | 42.8 | 197.1 | 57,400    | 90  |
| 95  | 23.2 | 172.3 | 53,900    | 29.9 | 181.4 | 55,600    | 37.8 | 191.1 | 53,500    | 95  |
| 100 | 12.3 | 155.9 | 50,600    | 22.4 | 170.9 | 52,000    | 32.1 | 183.7 | 50,000    | 100 |
| 101 | 8.4  | 150.0 | 47,800    | 19.6 | 167.3 | 51,300    | 30.6 | 181.8 | 49,400    | 101 |
| 105 |      |       |           | 10.7 | 153.1 | 48,700    | 25.3 | 174.2 | 46,900    | 105 |
| 106 |      |       |           | 5.7  | 145.3 | 46,800    | 23.0 | 171.4 | 46,300    | 106 |
| 110 |      |       |           |      |       |           | 15.9 | 160.3 | 44,000    | 110 |
| 113 |      |       |           |      |       |           | 3.3  | 140.9 | 42,300    | 113 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 118 |      |       |           |      |       |           |      |       |           | 118 |
| 119 |      |       |           |      |       |           |      |       |           | 119 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 141 |      |       |           |      |       |           |      |       |           | 141 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 150 |      |       |           |      |       |           |      |       |           | 150 |
| 151 |      |       |           |      |       |           |      |       |           | 151 |

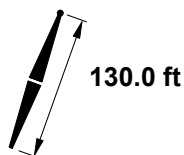


# MLC250 S-2

ASME B30.5



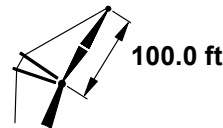
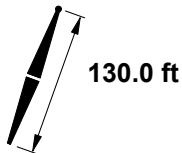
184,600 lb  
+  
44,000 lb

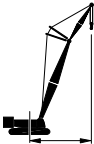
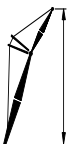
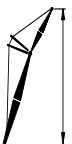
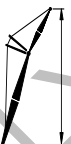


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 35  |      |       |          |      |       |        |      |       |        |      |       |        | 35  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 43  |      |       |          |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |          |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 67.8 | 218.7 | 83,800 b |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 64.3 | 216.3 | 76,100   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 60.7 | 213.7 | 69,700   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 56.9 | 210.5 | 64,100   |      |       |        |      |       |        |      |       |        | 80  |
| 83  | 53.6 | 208.3 | 61,200   | 62.9 | 212.7 | 57,000 |      |       |        |      |       |        | 83  |
| 85  | 53.0 | 206.9 | 59,300   | 61.4 | 211.6 | 55,200 |      |       |        |      |       |        | 85  |
| 90  | 48.8 | 202.7 | 55,100   | 57.7 | 208.6 | 51,300 |      |       |        |      |       |        | 90  |
| 95  | 44.4 | 197.9 | 51,400   | 53.8 | 205.1 | 47,800 |      |       |        |      |       |        | 95  |
| 100 | 39.6 | 192.1 | 48,000   | 49.7 | 201.0 | 44,700 |      |       |        |      |       |        | 100 |
| 101 | 38.0 | 190.8 | 47,400   | 48.2 | 200.0 | 44,100 | 57.5 | 204.8 | 40,800 |      |       |        | 101 |
| 105 | 34.2 | 185.3 | 45,000   | 45.3 | 196.3 | 41,900 | 54.4 | 202.0 | 38,800 |      |       |        | 105 |
| 106 | 32.6 | 183.5 | 44,500   | 44.0 | 195.2 | 41,400 | 53.2 | 201.2 | 38,300 |      |       |        | 106 |
| 110 | 27.8 | 176.7 | 42,300   | 40.6 | 190.8 | 39,400 | 50.4 | 198.0 | 36,400 |      |       |        | 110 |
| 113 | 22.2 | 169.6 | 40,800   | 37.0 | 186.8 | 38,000 | 47.6 | 195.3 | 35,100 |      |       |        | 113 |
| 115 | 19.6 | 164.8 | 39,800   | 35.3 | 184.2 | 37,100 | 46.0 | 193.4 | 34,300 |      |       |        | 115 |
| 118 | 10.8 | 152.0 | 38,400   | 31.4 | 179.2 | 35,800 | 43.0 | 190.2 | 33,100 | 52.3 | 195.5 | 30,400 | 118 |
| 119 | 8.5  | 147.8 | 37,900   | 30.2 | 177.6 | 35,400 | 42.0 | 189.1 | 32,700 | 51.0 | 194.7 | 30,100 | 119 |
| 120 |      |       |          | 29.2 | 176.0 | 35,000 | 41.3 | 188.1 | 32,300 | 50.7 | 193.9 | 29,700 | 120 |
| 125 |      |       |          | 21.6 | 165.0 | 33,000 | 36.2 | 181.6 | 30,500 | 46.4 | 189.3 | 28,100 | 125 |
| 130 |      |       |          | 8.6  | 145.4 | 31,100 | 30.2 | 173.8 | 28,900 | 41.7 | 184.0 | 26,500 | 130 |
| 135 |      |       |          |      |       |        | 22.9 | 163.4 | 27,300 | 36.6 | 177.7 | 25,100 | 135 |
| 140 |      |       |          |      |       |        | 11.6 | 146.4 | 25,800 | 30.7 | 169.9 | 23,800 | 140 |
| 141 |      |       |          |      |       |        | 7.4  | 139.8 | 25,500 | 28.6 | 167.9 | 23,500 | 141 |
| 145 |      |       |          |      |       |        |      |       |        | 23.6 | 159.8 | 22,500 | 145 |
| 150 |      |       |          |      |       |        |      |       |        | 12.9 | 143.9 | 21,300 | 150 |
| 151 |      |       |          |      |       |        |      |       |        | 9.3  | 138.4 | 21,100 | 151 |



184,600 lb  
+  
44,000 lb



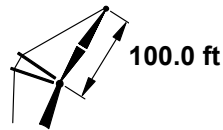
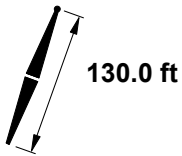
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                |                                                                                       | ft                                                                                | lb                                                                                |                                                                                       | ft                                                                                | lb                                                                                |                                                                                         | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 38                                                                                | 75.5                                                                                  | 234.5                                                                             | 111,300 <b>d</b>                                                                  |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 38                                                                                  |
| 40                                                                                | 74.4                                                                                  | 234.0                                                                             | 111,300 <b>c</b>                                                                  |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 40                                                                                  |
| 45                                                                                | 71.3                                                                                  | 232.4                                                                             | 106,800 <b>b</b>                                                                  |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 45                                                                                  |
| 46                                                                                | 70.4                                                                                  | 232.0                                                                             | 105,600 <b>b</b>                                                                  | 73.5                                                                                  | 233.2                                                                             | 113,100 <b>b</b>                                                                  |                                                                                         |                                                                                     |                                                                                     | 46                                                                                  |
| 50                                                                                | 68.3                                                                                  | 230.4                                                                             | 100,800                                                                           | 71.1                                                                                  | 231.9                                                                             | 107,100 <b>b</b>                                                                  |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 65.1                                                                                  | 228.2                                                                             | 94,400                                                                            | 68.0                                                                                  | 229.9                                                                             | 100,300                                                                           |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 57                                                                                | 63.4                                                                                  | 227.2                                                                             | 92,100                                                                            | 65.8                                                                                  | 229.0                                                                             | 97,700                                                                            | 70.9                                                                                    | 231.0                                                                               | 102,800 <b>b</b>                                                                    | 57                                                                                  |
| 60                                                                                | 61.9                                                                                  | 225.6                                                                             | 88,600                                                                            | 64.8                                                                                  | 227.7                                                                             | 93,900                                                                            | 69.1                                                                                    | 229.9                                                                               | 96,100                                                                              | 60                                                                                  |
| 65                                                                                | 58.6                                                                                  | 222.7                                                                             | 83,400                                                                            | 61.6                                                                                  | 225.1                                                                             | 88,300                                                                            | 66.0                                                                                    | 227.7                                                                               | 86,700                                                                              | 65                                                                                  |
| 69                                                                                | 55.6                                                                                  | 220.0                                                                             | 79,600                                                                            | 58.6                                                                                  | 222.7                                                                             | 83,200                                                                            | 62.6                                                                                    | 225.8                                                                               | 80,300                                                                              | 69                                                                                  |
| 70                                                                                | 55.1                                                                                  | 219.3                                                                             | 78,600                                                                            | 58.3                                                                                  | 222.1                                                                             | 82,000                                                                            | 62.8                                                                                    | 225.3                                                                               | 78,800                                                                              | 70                                                                                  |
| 75                                                                                | 51.5                                                                                  | 215.5                                                                             | 71,600                                                                            | 54.8                                                                                  | 218.7                                                                             | 75,000                                                                            | 59.5                                                                                    | 222.4                                                                               | 72,100                                                                              | 75                                                                                  |
| 80                                                                                | 47.7                                                                                  | 211.2                                                                             | 65,600                                                                            | 51.2                                                                                  | 214.8                                                                             | 69,100                                                                            | 56.1                                                                                    | 219.2                                                                               | 66,300                                                                              | 80                                                                                  |
| 85                                                                                | 43.7                                                                                  | 206.2                                                                             | 60,200                                                                            | 47.4                                                                                  | 210.4                                                                             | 63,900                                                                            | 52.5                                                                                    | 215.5                                                                               | 61,300                                                                              | 85                                                                                  |
| 88                                                                                | 40.6                                                                                  | 202.7                                                                             | 57,500                                                                            | 44.6                                                                                  | 207.4                                                                             | 61,200                                                                            | 49.6                                                                                    | 212.9                                                                               | 58,700                                                                              | 88                                                                                  |
| 90                                                                                | 39.3                                                                                  | 200.4                                                                             | 55,600                                                                            | 43.3                                                                                  | 205.3                                                                             | 59,300                                                                            | 48.7                                                                                    | 211.3                                                                               | 57,000                                                                              | 90                                                                                  |
| 95                                                                                | 34.4                                                                                  | 193.5                                                                             | 51,600                                                                            | 38.9                                                                                  | 199.4                                                                             | 55,300                                                                            | 44.8                                                                                    | 206.4                                                                               | 53,100                                                                              | 95                                                                                  |
| 100                                                                               | 28.9                                                                                  | 185.1                                                                             | 48,300                                                                            | 33.9                                                                                  | 192.5                                                                             | 51,700                                                                            | 40.5                                                                                    | 200.9                                                                               | 49,700                                                                              | 100                                                                                 |
| 105                                                                               | 22.0                                                                                  | 174.3                                                                             | 45,900                                                                            | 28.3                                                                                  | 183.9                                                                             | 48,500                                                                            | 35.7                                                                                    | 194.3                                                                               | 46,600                                                                              | 105                                                                                 |
| 106                                                                               | 19.0                                                                                  | 170.8                                                                             | 45,500                                                                            | 26.6                                                                                  | 181.7                                                                             | 47,900                                                                            | 34.0                                                                                    | 192.7                                                                               | 46,000                                                                              | 106                                                                                 |
| 110                                                                               | 11.6                                                                                  | 156.9                                                                             | 44,100                                                                            | 21.2                                                                                  | 172.7                                                                             | 45,600                                                                            | 30.4                                                                                    | 186.4                                                                               | 43,800                                                                              | 110                                                                                 |
| 111                                                                               | 8.0                                                                                   | 150.6                                                                             | 41,700                                                                            | 18.8                                                                                  | 168.9                                                                             | 45,000                                                                            | 28.6                                                                                    | 184.4                                                                               | 43,300                                                                              | 111                                                                                 |
| 115                                                                               |                                                                                       |                                                                                   |                                                                                   | 10.1                                                                                  | 153.9                                                                             | 42,900                                                                            | 23.9                                                                                    | 176.3                                                                               | 41,200                                                                              | 115                                                                                 |
| 116                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.3                                                                                   | 145.7                                                                             | 41,100                                                                            | 21.4                                                                                    | 173.4                                                                               | 40,800                                                                              | 116                                                                                 |
| 120                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.0                                                                                    | 161.6                                                                               | 38,900                                                                              | 120                                                                                 |
| 123                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                     | 141.1                                                                               | 37,400                                                                              | 123                                                                                 |
| 124                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 124                                                                                 |
| 125                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 125                                                                                 |
| 129                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 129                                                                                 |
| 130                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 130                                                                                 |
| 135                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 135                                                                                 |
| 140                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 140                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 145                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 150                                                                                 |
| 151                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 151                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 155                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 161                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 161                                                                                 |

# MLC250 S-2

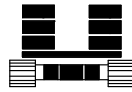
ASME B30.5



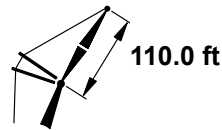
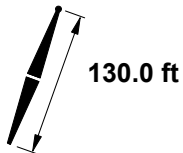
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  | 67.7 | 227.8 | 77,000 |      |       |        |      |       |        |      |       |        | 69  |
| 70  | 67.0 | 227.4 | 75,600 |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 63.9 | 225.0 | 69,100 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 60.6 | 222.3 | 63,600 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 57.2 | 219.2 | 58,800 |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 54.6 | 217.1 | 56,300 | 62.6 | 221.4 | 52,200 |      |       |        |      |       |        | 88  |
| 90  | 53.7 | 215.7 | 54,600 | 61.3 | 220.3 | 50,700 |      |       |        |      |       |        | 90  |
| 95  | 50.0 | 211.6 | 50,900 | 57.9 | 217.2 | 47,200 |      |       |        |      |       |        | 95  |
| 100 | 46.2 | 207.0 | 47,600 | 54.5 | 213.8 | 44,100 |      |       |        |      |       |        | 100 |
| 105 | 42.0 | 201.7 | 44,600 | 50.8 | 209.9 | 41,400 |      |       |        |      |       |        | 105 |
| 106 | 40.2 | 200.5 | 44,100 | 49.2 | 209.0 | 40,900 | 57.8 | 213.5 | 37,700 |      |       |        | 106 |
| 110 | 37.4 | 195.6 | 41,900 | 47.0 | 205.4 | 38,900 | 55.0 | 210.7 | 35,800 |      |       |        | 110 |
| 111 | 36.0 | 194.1 | 41,400 | 45.2 | 204.4 | 38,400 | 53.4 | 210.0 | 35,400 |      |       |        | 111 |
| 115 | 32.3 | 188.2 | 39,500 | 42.9 | 200.2 | 36,600 | 51.4 | 206.9 | 33,700 |      |       |        | 115 |
| 116 | 30.8 | 186.3 | 39,000 | 41.2 | 199.0 | 36,200 | 50.2 | 206.0 | 33,300 |      |       |        | 116 |
| 120 | 26.3 | 179.0 | 37,300 | 38.4 | 194.3 | 34,500 | 47.6 | 202.5 | 31,800 |      |       |        | 120 |
| 123 | 21.2 | 171.4 | 36,000 | 35.0 | 190.0 | 33,400 | 44.6 | 199.5 | 30,700 |      |       |        | 123 |
| 124 | 19.6 | 168.9 | 35,600 | 34.0 | 188.6 | 33,000 | 43.8 | 198.5 | 30,400 | 52.4 | 203.5 | 27,800 | 124 |
| 125 | 18.6 | 166.4 | 35,200 | 33.4 | 187.2 | 32,600 | 43.5 | 197.5 | 30,000 | 51.7 | 202.7 | 27,400 | 125 |
| 129 | 8.0  | 148.4 | 33,600 | 28.2 | 180.2 | 31,200 | 39.8 | 192.8 | 28,700 | 47.8 | 199.2 | 26,200 | 129 |
| 130 |      |       |        | 27.7 | 178.4 | 30,800 | 39.1 | 191.6 | 28,400 | 47.9 | 198.4 | 25,900 | 130 |
| 135 |      |       |        | 20.4 | 166.8 | 29,200 | 34.2 | 184.7 | 26,900 | 43.8 | 193.4 | 24,500 | 135 |
| 140 |      |       |        | 8.1  | 146.0 | 27,600 | 28.6 | 176.3 | 25,500 | 39.5 | 187.6 | 23,200 | 140 |
| 145 |      |       |        |      |       |        | 21.7 | 165.3 | 24,100 | 34.6 | 180.8 | 22,000 | 145 |
| 150 |      |       |        |      |       |        | 11.0 | 147.3 | 22,800 | 29.1 | 172.5 | 20,900 | 150 |
| 151 |      |       |        |      |       |        | 6.9  | 140.4 | 22,600 | 27.6 | 170.4 | 20,700 | 151 |
| 155 |      |       |        |      |       |        |      |       |        | 22.3 | 161.8 | 19,800 | 155 |
| 160 |      |       |        |      |       |        |      |       |        | 12.2 | 144.9 | 18,800 | 160 |
| 161 |      |       |        |      |       |        |      |       |        | 8.8  | 139.1 | 18,500 | 161 |



184,600 lb  
+  
44,000 lb



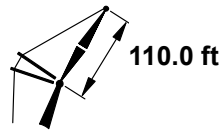
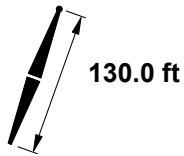
|     | 88°  |       |           | 86°  |       |           | 83°  |       |        |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|--------|-----|
|     |      |       |           |      |       |           |      |       |        |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft     |     |
| 40  | 75.8 | 244.4 | 100,400 b |      |       |           |      |       |        | 40  |
| 45  | 73.1 | 242.9 | 97,900 b  |      |       |           |      |       |        | 45  |
| 48  | 71.2 | 241.9 | 96,300 b  | 73.9 | 243.1 | 106,400 b |      |       |        | 48  |
| 50  | 70.4 | 241.2 | 95,300    | 72.8 | 242.4 | 103,700 b |      |       |        | 50  |
| 55  | 67.5 | 239.2 | 91,800    | 70.1 | 240.7 | 97,400    |      |       |        | 55  |
| 60  | 64.7 | 236.9 | 86,300    | 67.3 | 238.7 | 91,600    |      |       |        | 60  |
| 61  | 63.4 | 236.4 | 85,300    | 66.4 | 238.2 | 90,500    | 70.5 | 240.2 | 94,000 | 61  |
| 65  | 61.7 | 234.3 | 81,300    | 64.4 | 236.4 | 86,200    | 68.3 | 238.6 | 86,500 | 65  |
| 70  | 58.7 | 231.4 | 76,500    | 61.5 | 233.7 | 81,200    | 65.4 | 236.4 | 78,600 | 70  |
| 73  | 56.2 | 229.4 | 72,700    | 59.2 | 231.9 | 77,400    | 63.2 | 234.9 | 74,600 | 73  |
| 75  | 55.6 | 228.1 | 70,200    | 58.4 | 230.8 | 74,900    | 62.5 | 233.9 | 72,000 | 75  |
| 80  | 52.4 | 224.3 | 64,300    | 55.3 | 227.4 | 69,000    | 59.5 | 231.1 | 66,200 | 80  |
| 85  | 49.0 | 220.1 | 59,100    | 52.0 | 223.6 | 63,800    | 56.4 | 227.9 | 61,200 | 85  |
| 90  | 45.4 | 215.4 | 54,500    | 48.6 | 219.4 | 59,300    | 53.2 | 224.3 | 56,900 | 90  |
| 92  | 43.4 | 213.2 | 52,900    | 46.8 | 217.5 | 57,700    | 51.4 | 222.6 | 55,300 | 92  |
| 95  | 41.5 | 210.0 | 50,500    | 45.0 | 214.6 | 55,300    | 49.8 | 220.2 | 53,000 | 95  |
| 100 | 37.4 | 203.8 | 46,900    | 41.1 | 209.1 | 51,700    | 46.3 | 215.6 | 49,600 | 100 |
| 105 | 32.8 | 196.4 | 43,800    | 37.0 | 202.8 | 48,500    | 42.5 | 210.4 | 46,500 | 105 |
| 110 | 27.5 | 187.6 | 41,300    | 32.3 | 195.4 | 45,600    | 38.5 | 204.4 | 43,800 | 110 |
| 111 | 25.6 | 185.3 | 40,900    | 30.8 | 193.6 | 45,100    | 37.0 | 203.0 | 43,200 | 111 |
| 115 | 20.9 | 176.1 | 39,500    | 26.9 | 186.3 | 43,000    | 34.0 | 197.4 | 41,200 | 115 |
| 120 | 11.0 | 157.8 | 38,900    | 20.2 | 174.5 | 40,600    | 28.9 | 189.0 | 38,900 | 120 |
| 121 | 7.6  | 151.2 | 36,900    | 17.8 | 170.5 | 40,100    | 26.8 | 186.8 | 38,500 | 121 |
| 125 |      |       |           | 9.6  | 154.7 | 38,300    | 22.8 | 178.3 | 36,800 | 125 |
| 126 |      |       |           | 5.1  | 146.1 | 36,400    | 20.4 | 175.2 | 36,400 | 126 |
| 130 |      |       |           |      |       |           | 14.3 | 162.8 | 34,800 | 130 |
| 133 |      |       |           |      |       |           | 2.9  | 141.2 | 33,600 | 133 |
| 135 |      |       |           |      |       |           |      |       |        | 135 |
| 139 |      |       |           |      |       |           |      |       |        | 139 |
| 140 |      |       |           |      |       |           |      |       |        | 140 |
| 145 |      |       |           |      |       |           |      |       |        | 145 |
| 150 |      |       |           |      |       |           |      |       |        | 150 |
| 155 |      |       |           |      |       |           |      |       |        | 155 |
| 160 |      |       |           |      |       |           |      |       |        | 160 |
| 161 |      |       |           |      |       |           |      |       |        | 161 |
| 165 |      |       |           |      |       |           |      |       |        | 165 |
| 170 |      |       |           |      |       |           |      |       |        | 170 |
| 171 |      |       |           |      |       |           |      |       |        | 171 |

# MLC250 S-2

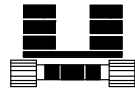
ASME B30.5



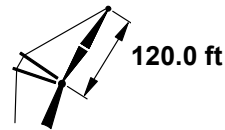
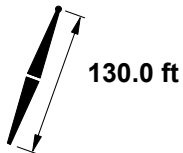
184,600 lb  
+  
44,000 lb

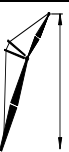
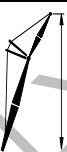
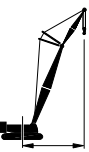


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  | 67.5 | 237.0 | 71,400 |      |       |        |      |       |        |      |       |        | 73  |
| 75  | 66.4 | 236.1 | 69,000 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 63.5 | 233.7 | 63,500 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 60.6 | 231.0 | 58,700 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 57.5 | 227.9 | 54,500 |      |       |        |      |       |        |      |       |        | 90  |
| 92  | 55.8 | 226.5 | 53,000 | 63.0 | 230.6 | 49,100 |      |       |        |      |       |        | 92  |
| 95  | 54.3 | 224.4 | 50,800 | 61.2 | 228.9 | 47,100 |      |       |        |      |       |        | 95  |
| 100 | 51.0 | 220.5 | 47,500 | 58.1 | 225.9 | 44,000 |      |       |        |      |       |        | 100 |
| 105 | 47.5 | 216.1 | 44,500 | 55.0 | 222.5 | 41,200 |      |       |        |      |       |        | 105 |
| 110 | 43.9 | 211.1 | 41,900 | 51.7 | 218.7 | 38,700 |      |       |        |      |       |        | 110 |
| 111 | 42.2 | 210.0 | 41,400 | 50.4 | 217.8 | 38,300 | 58.0 | 222.2 | 35,200 |      |       |        | 111 |
| 115 | 39.9 | 205.4 | 39,400 | 48.3 | 214.4 | 36,500 | 55.5 | 219.5 | 33,500 |      |       |        | 115 |
| 120 | 35.6 | 198.8 | 37,200 | 44.6 | 209.5 | 34,400 | 52.2 | 215.7 | 31,600 |      |       |        | 120 |
| 121 | 34.0 | 197.2 | 36,800 | 43.2 | 208.4 | 34,000 | 51.2 | 214.9 | 31,300 |      |       |        | 121 |
| 125 | 30.7 | 190.9 | 35,200 | 40.8 | 204.0 | 32,500 | 48.8 | 211.5 | 29,900 |      |       |        | 125 |
| 126 | 29.0 | 189.0 | 34,800 | 39.2 | 202.7 | 32,200 | 47.4 | 210.5 | 29,500 |      |       |        | 126 |
| 130 | 25.0 | 181.2 | 33,300 | 36.5 | 197.6 | 30,800 | 45.2 | 206.7 | 28,300 | 52.5 | 211.5 | 25,800 | 130 |
| 133 | 20.2 | 173.3 | 32,300 | 33.0 | 193.0 | 29,800 | 42.6 | 203.5 | 27,400 | 50.2 | 209.0 | 25,000 | 133 |
| 135 | 17.7 | 168.0 | 31,600 | 31.8 | 190.0 | 29,200 | 41.4 | 201.3 | 26,800 | 49.1 | 207.3 | 24,400 | 135 |
| 139 | 7.6  | 149.0 | 30,200 | 27.0 | 182.6 | 28,000 | 37.8 | 196.3 | 25,700 | 45.8 | 203.5 | 23,400 | 139 |
| 140 |      |       |        | 26.3 | 180.8 | 27,700 | 37.2 | 195.0 | 25,400 | 45.5 | 202.6 | 23,100 | 140 |
| 145 |      |       |        | 19.4 | 168.5 | 26,300 | 32.5 | 187.7 | 24,100 | 41.7 | 197.2 | 21,900 | 145 |
| 150 |      |       |        | 7.7  | 146.6 | 24,900 | 27.2 | 178.7 | 22,900 | 37.5 | 191.0 | 20,800 | 150 |
| 155 |      |       |        |      |       |        | 20.6 | 167.1 | 21,700 | 32.9 | 183.8 | 19,800 | 155 |
| 160 |      |       |        |      |       |        | 10.4 | 148.2 | 20,600 | 27.7 | 175.0 | 18,800 | 160 |
| 161 |      |       |        |      |       |        | 6.6  | 140.9 | 20,400 | 25.8 | 172.7 | 18,600 | 161 |
| 165 |      |       |        |      |       |        |      |       |        | 21.2 | 163.6 | 17,800 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 11.6 | 145.9 | 16,900 | 170 |
| 171 |      |       |        |      |       |        |      |       |        | 8.4  | 139.8 | 16,700 | 171 |



184,600 lb  
+  
44,000 lb



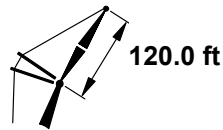
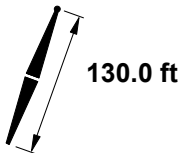
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 42                                                                                   | 76.0                                                                                  | 254.2                                                                                | 90,800 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 42                                                                                     |
| 45                                                                                   | 74.6                                                                                  | 253.3                                                                                | 89,600 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 72.1                                                                                  | 251.8                                                                                | 87,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 51                                                                                   | 71.4                                                                                  | 251.4                                                                                | 87,100                                                                               | 73.8                                                                                  | 252.6                                                                                | 98,800 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 51                                                                                     |
| 55                                                                                   | 69.5                                                                                  | 250.0                                                                                | 85,400                                                                               | 71.8                                                                                  | 251.3                                                                                | 94,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 66.9                                                                                  | 247.9                                                                                | 83,800                                                                               | 69.3                                                                                  | 249.5                                                                                | 88,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 64                                                                                   | 64.4                                                                                  | 246.1                                                                                | 80,000                                                                               | 66.6                                                                                  | 247.8                                                                                | 84,800                                                                               | 70.7                                                                                    | 249.8                                                                                  | 87,800                                                                                 | 64                                                                                     |
| 65                                                                                   | 64.3                                                                                  | 245.6                                                                                | 79,100                                                                               | 66.7                                                                                  | 247.4                                                                                | 83,800                                                                               | 70.2                                                                                    | 249.4                                                                                  | 86,000                                                                                 | 65                                                                                     |
| 70                                                                                   | 61.6                                                                                  | 243.0                                                                                | 73,800                                                                               | 64.0                                                                                  | 245.0                                                                                | 79,100                                                                               | 67.6                                                                                    | 247.4                                                                                  | 78,200                                                                                 | 70                                                                                     |
| 75                                                                                   | 58.8                                                                                  | 240.0                                                                                | 68,300                                                                               | 61.3                                                                                  | 242.4                                                                                | 74,500                                                                               | 65.0                                                                                    | 245.1                                                                                  | 71,500                                                                                 | 75                                                                                     |
| 76                                                                                   | 57.4                                                                                  | 239.4                                                                                | 67,200                                                                               | 60.4                                                                                  | 241.8                                                                                | 73,300                                                                               | 63.6                                                                                    | 244.6                                                                                  | 70,300                                                                                 | 76                                                                                     |
| 80                                                                                   | 56.0                                                                                  | 236.8                                                                                | 63,000                                                                               | 58.6                                                                                  | 239.4                                                                                | 68,600                                                                               | 62.3                                                                                    | 242.6                                                                                  | 65,700                                                                                 | 80                                                                                     |
| 85                                                                                   | 53.0                                                                                  | 233.1                                                                                | 58,000                                                                               | 55.7                                                                                  | 236.1                                                                                | 63,400                                                                               | 59.6                                                                                    | 239.7                                                                                  | 60,800                                                                                 | 85                                                                                     |
| 90                                                                                   | 49.9                                                                                  | 229.0                                                                                | 53,600                                                                               | 52.7                                                                                  | 232.4                                                                                | 58,900                                                                               | 56.7                                                                                    | 236.6                                                                                  | 56,400                                                                                 | 90                                                                                     |
| 95                                                                                   | 46.7                                                                                  | 224.5                                                                                | 49,600                                                                               | 49.6                                                                                  | 228.3                                                                                | 54,900                                                                               | 53.8                                                                                    | 233.0                                                                                  | 52,600                                                                                 | 95                                                                                     |
| 97                                                                                   | 44.8                                                                                  | 222.5                                                                                | 48,200                                                                               | 47.8                                                                                  | 226.5                                                                                | 53,500                                                                               | 51.8                                                                                    | 231.4                                                                                  | 51,200                                                                                 | 97                                                                                     |
| 100                                                                                  | 43.3                                                                                  | 219.4                                                                                | 46,000                                                                               | 46.4                                                                                  | 223.7                                                                                | 51,400                                                                               | 50.8                                                                                    | 229.1                                                                                  | 49,200                                                                                 | 100                                                                                    |
| 105                                                                                  | 39.7                                                                                  | 213.6                                                                                | 42,900                                                                               | 43.0                                                                                  | 218.6                                                                                | 48,200                                                                               | 47.6                                                                                    | 224.6                                                                                  | 46,100                                                                                 | 105                                                                                    |
| 110                                                                                  | 35.7                                                                                  | 207.0                                                                                | 40,100                                                                               | 39.3                                                                                  | 212.7                                                                                | 45,300                                                                               | 44.2                                                                                    | 219.7                                                                                  | 43,300                                                                                 | 110                                                                                    |
| 115                                                                                  | 31.3                                                                                  | 199.3                                                                                | 37,700                                                                               | 35.3                                                                                  | 206.0                                                                                | 42,700                                                                               | 40.6                                                                                    | 214.1                                                                                  | 40,800                                                                                 | 115                                                                                    |
| 117                                                                                  | 29.0                                                                                  | 195.5                                                                                | 36,900                                                                               | 33.0                                                                                  | 202.8                                                                                | 41,700                                                                               | 38.4                                                                                    | 211.5                                                                                  | 39,900                                                                                 | 117                                                                                    |
| 120                                                                                  | 26.2                                                                                  | 189.9                                                                                | 35,700                                                                               | 30.9                                                                                  | 198.1                                                                                | 40,300                                                                               | 36.8                                                                                    | 207.7                                                                                  | 38,600                                                                                 | 120                                                                                    |
| 125                                                                                  | 20.0                                                                                  | 177.8                                                                                | 34,300                                                                               | 25.7                                                                                  | 188.6                                                                                | 38,100                                                                               | 32.5                                                                                    | 200.3                                                                                  | 36,500                                                                                 | 125                                                                                    |
| 130                                                                                  | 10.5                                                                                  | 158.7                                                                                | 34,000                                                                               | 19.3                                                                                  | 176.1                                                                                | 36,100                                                                               | 27.6                                                                                    | 191.4                                                                                  | 34,500                                                                                 | 130                                                                                    |
| 131                                                                                  | 7.2                                                                                   | 151.8                                                                                | 32,400                                                                               | 17.0                                                                                  | 172.0                                                                                | 35,700                                                                               | 25.8                                                                                    | 189.2                                                                                  | 34,200                                                                                 | 131                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.1                                                                                   | 155.5                                                                                | 34,200                                                                               | 21.8                                                                                    | 180.2                                                                                  | 32,700                                                                                 | 135                                                                                    |
| 136                                                                                  |                                                                                       |                                                                                      |                                                                                      | 4.8                                                                                   | 146.5                                                                                | 32,000                                                                               | 19.4                                                                                    | 177.0                                                                                  | 32,400                                                                                 | 136                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 13.6                                                                                    | 164.0                                                                                  | 31,000                                                                                 | 140                                                                                    |
| 143                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 2.8                                                                                     | 141.4                                                                                  | 30,000                                                                                 | 143                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 149                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 149                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 160                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 171                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 171                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 175                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 181                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 181                                                                                    |

# MLC250 S-2

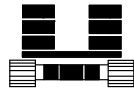
ASME B30.5



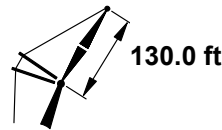
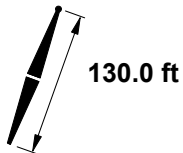
184,600 lb  
+  
44,000 lb

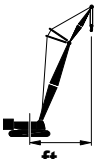
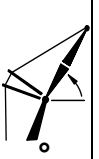
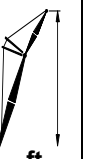
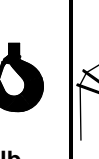


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 42  |      |       |        |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  | 68.0 | 246.6 | 67,300 |      |       |        |      |       |        |      |       |        | 76  |
| 80  | 65.9 | 244.8 | 62,900 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 63.2 | 242.4 | 58,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 60.5 | 239.6 | 54,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 57.7 | 236.6 | 50,300 |      |       |        |      |       |        |      |       |        | 95  |
| 97  | 55.8 | 235.2 | 49,000 | 62.7 | 239.2 | 45,200 |      |       |        |      |       |        | 97  |
| 100 | 54.8 | 233.1 | 47,000 | 61.1 | 237.6 | 43,400 |      |       |        |      |       |        | 100 |
| 105 | 51.8 | 229.3 | 44,100 | 58.3 | 234.6 | 40,700 |      |       |        |      |       |        | 105 |
| 110 | 48.7 | 225.1 | 41,400 | 55.4 | 231.2 | 38,200 |      |       |        |      |       |        | 110 |
| 115 | 45.4 | 220.3 | 39,000 | 52.4 | 227.5 | 35,900 |      |       |        |      |       |        | 115 |
| 117 | 43.4 | 218.2 | 38,100 | 50.8 | 225.8 | 35,100 | 57.6 | 230.2 | 32,200 |      |       |        | 117 |
| 120 | 41.9 | 215.0 | 36,800 | 49.3 | 223.4 | 33,900 | 55.9 | 228.2 | 31,000 |      |       |        | 120 |
| 125 | 38.1 | 208.9 | 34,800 | 46.1 | 218.7 | 32,000 | 52.9 | 224.5 | 29,300 |      |       |        | 125 |
| 130 | 34.0 | 201.8 | 32,900 | 42.6 | 213.5 | 30,300 | 49.8 | 220.4 | 27,700 |      |       |        | 130 |
| 131 | 33.0 | 200.2 | 32,600 | 41.2 | 212.3 | 30,000 | 48.4 | 219.5 | 27,400 |      |       |        | 131 |
| 135 | 29.4 | 193.5 | 31,200 | 38.9 | 207.6 | 28,700 | 46.6 | 215.8 | 26,200 |      |       |        | 135 |
| 136 | 27.8 | 191.5 | 30,900 | 37.2 | 206.2 | 28,400 | 45.4 | 214.8 | 25,900 | 52.5 | 219.5 | 23,500 | 136 |
| 140 | 23.9 | 183.3 | 29,600 | 34.9 | 200.7 | 27,200 | 43.2 | 210.7 | 24,800 | 50.1 | 216.2 | 22,500 | 140 |
| 143 | 18.8 | 175.0 | 28,700 | 31.6 | 195.9 | 26,400 | 40.6 | 207.2 | 24,100 | 47.6 | 213.5 | 21,800 | 143 |
| 145 | 16.9 | 169.4 | 28,100 | 30.4 | 192.7 | 25,900 | 39.5 | 204.9 | 23,600 | 46.8 | 211.7 | 21,300 | 145 |
| 149 | 7.2  | 149.6 | 26,900 | 26.0 | 184.9 | 24,800 | 35.8 | 199.6 | 22,600 | 43.6 | 207.6 | 20,500 | 149 |
| 150 |      |       |        | 25.1 | 183.0 | 24,600 | 35.5 | 198.2 | 22,400 | 43.4 | 206.6 | 20,200 | 150 |
| 155 |      |       |        | 18.5 | 170.1 | 23,300 | 31.1 | 190.4 | 21,300 | 39.8 | 200.9 | 19,200 | 155 |
| 160 |      |       |        | 7.4  | 147.2 | 22,100 | 26.0 | 181.0 | 20,200 | 35.9 | 194.3 | 18,200 | 160 |
| 165 |      |       |        |      |       |        | 19.7 | 168.8 | 19,200 | 31.5 | 186.6 | 17,300 | 165 |
| 170 |      |       |        |      |       |        | 9.9  | 149.0 | 18,200 | 26.4 | 177.3 | 16,500 | 170 |
| 171 |      |       |        |      |       |        | 6.3  | 141.4 | 18,000 | 24.8 | 174.9 | 16,300 | 171 |
| 175 |      |       |        |      |       |        |      |       |        | 20.3 | 165.4 | 15,600 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 11.1 | 146.8 | 14,800 | 180 |
| 181 |      |       |        |      |       |        |      |       |        | 8.0  | 140.4 | 14,600 | 181 |



184,600 lb  
+  
44,000 lb



|     | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                               |                                                                                    |                                                                                     |                                                                                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |  |  |  |  |  |  |  |  |  |  |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  |
| 45  | 75.8                                                                              | 263.7                                                                             | 83,000 b                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 45                                                                                  |
| 50  | 73.5                                                                              | 262.3                                                                             | 80,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 50                                                                                  |
| 54  | 71.4                                                                              | 261.0                                                                             | 79,100                                                                            | 73.7                                                                              | 262.1                                                                             | 92,400                                                                            |                                                                                   |                                                                                    |                                                                                     | 54                                                                                  |
| 55  | 71.2                                                                              | 260.6                                                                             | 78,700                                                                            | 73.3                                                                              | 261.8                                                                             | 91,400                                                                            |                                                                                   |                                                                                    |                                                                                     | 55                                                                                  |
| 60  | 68.8                                                                              | 258.8                                                                             | 77,000                                                                            | 70.9                                                                              | 260.2                                                                             | 86,300                                                                            |                                                                                   |                                                                                    |                                                                                     | 60                                                                                  |
| 65  | 66.4                                                                              | 256.6                                                                             | 76,000                                                                            | 68.6                                                                              | 258.3                                                                             | 81,600                                                                            |                                                                                   |                                                                                    |                                                                                     | 65                                                                                  |
| 67  | 64.8                                                                              | 255.7                                                                             | 74,100                                                                            | 67.2                                                                              | 257.4                                                                             | 79,900                                                                            | 70.8                                                                              | 259.3                                                                              | 82,300                                                                              | 67                                                                                  |
| 70  | 64.0                                                                              | 254.3                                                                             | 71,300                                                                            | 66.2                                                                              | 256.1                                                                             | 77,300                                                                            | 69.4                                                                              | 258.2                                                                              | 77,800                                                                              | 70                                                                                  |
| 75  | 61.5                                                                              | 251.6                                                                             | 66,200                                                                            | 63.7                                                                              | 253.7                                                                             | 73,200                                                                            | 67.0                                                                              | 256.1                                                                              | 71,100                                                                              | 75                                                                                  |
| 80  | 58.9                                                                              | 248.7                                                                             | 61,500                                                                            | 61.2                                                                              | 251.1                                                                             | 68,300                                                                            | 64.6                                                                              | 253.8                                                                              | 65,400                                                                              | 80                                                                                  |
| 85  | 56.3                                                                              | 245.5                                                                             | 57,100                                                                            | 58.7                                                                              | 248.1                                                                             | 63,100                                                                            | 62.1                                                                              | 251.3                                                                              | 60,400                                                                              | 85                                                                                  |
| 90  | 53.6                                                                              | 241.9                                                                             | 52,700                                                                            | 56.0                                                                              | 244.8                                                                             | 58,600                                                                            | 59.6                                                                              | 248.4                                                                              | 56,100                                                                              | 90                                                                                  |
| 95  | 50.8                                                                              | 237.9                                                                             | 49,000                                                                            | 53.3                                                                              | 241.2                                                                             | 54,600                                                                            | 57.0                                                                              | 245.2                                                                              | 52,300                                                                              | 95                                                                                  |
| 100 | 47.8                                                                              | 233.5                                                                             | 45,500                                                                            | 50.5                                                                              | 237.2                                                                             | 51,100                                                                            | 54.3                                                                              | 241.8                                                                              | 48,800                                                                              | 100                                                                                 |
| 101 | 46.4                                                                              | 232.5                                                                             | 44,900                                                                            | 49.4                                                                              | 236.3                                                                             | 50,400                                                                            | 53.4                                                                              | 241.0                                                                              | 48,200                                                                              | 101                                                                                 |
| 105 | 44.8                                                                              | 228.7                                                                             | 42,400                                                                            | 47.6                                                                              | 232.8                                                                             | 47,900                                                                            | 51.5                                                                              | 237.9                                                                              | 45,800                                                                              | 105                                                                                 |
| 110 | 41.5                                                                              | 223.2                                                                             | 39,500                                                                            | 44.5                                                                              | 227.8                                                                             | 45,000                                                                            | 48.6                                                                              | 233.6                                                                              | 43,000                                                                              | 110                                                                                 |
| 115 | 38.0                                                                              | 217.1                                                                             | 37,000                                                                            | 41.2                                                                              | 222.3                                                                             | 42,400                                                                            | 45.6                                                                              | 228.9                                                                              | 40,500                                                                              | 115                                                                                 |
| 120 | 34.2                                                                              | 210.1                                                                             | 34,800                                                                            | 37.7                                                                              | 216.1                                                                             | 40,000                                                                            | 42.4                                                                              | 223.6                                                                              | 38,300                                                                              | 120                                                                                 |
| 122 | 32.4                                                                              | 206.8                                                                             | 34,100                                                                            | 35.4                                                                              | 213.3                                                                             | 39,200                                                                            | 40.4                                                                              | 221.2                                                                              | 37,400                                                                              | 122                                                                                 |
| 125 | 30.0                                                                              | 201.9                                                                             | 32,900                                                                            | 33.9                                                                              | 209.0                                                                             | 37,900                                                                            | 38.9                                                                              | 217.6                                                                              | 36,200                                                                              | 125                                                                                 |
| 130 | 25.2                                                                              | 192.1                                                                             | 31,400                                                                            | 29.6                                                                              | 200.8                                                                             | 35,900                                                                            | 35.2                                                                              | 210.9                                                                              | 34,300                                                                              | 130                                                                                 |
| 135 | 19.2                                                                              | 179.5                                                                             | 30,300                                                                            | 24.7                                                                              | 190.8                                                                             | 34,000                                                                            | 31.2                                                                              | 203.1                                                                              | 32,500                                                                              | 135                                                                                 |
| 140 | 10.1                                                                              | 159.5                                                                             | 30,000                                                                            | 18.5                                                                              | 177.8                                                                             | 32,300                                                                            | 26.5                                                                              | 193.8                                                                              | 30,800                                                                              | 140                                                                                 |
| 141 | 6.9                                                                               | 152.4                                                                             | 28,700                                                                            | 16.0                                                                              | 173.4                                                                             | 31,900                                                                            | 24.8                                                                              | 191.4                                                                              | 30,500                                                                              | 141                                                                                 |
| 142 |                                                                                   |                                                                                   |                                                                                   | 14.0                                                                              | 169.1                                                                             | 31,500                                                                            | 23.6                                                                              | 189.1                                                                              | 30,200                                                                              | 142                                                                                 |
| 145 |                                                                                   |                                                                                   |                                                                                   | 8.7                                                                               | 156.2                                                                             | 30,300                                                                            | 20.9                                                                              | 182.1                                                                              | 29,300                                                                              | 145                                                                                 |
| 146 |                                                                                   |                                                                                   |                                                                                   | 4.6                                                                               | 146.8                                                                             | 28,300                                                                            | 18.6                                                                              | 178.7                                                                              | 29,000                                                                              | 146                                                                                 |
| 150 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 13.1                                                                              | 165.1                                                                              | 27,800                                                                              | 150                                                                                 |
| 153 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 2.6                                                                               | 141.6                                                                              | 26,900                                                                              | 153                                                                                 |
| 155 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 155                                                                                 |
| 159 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 159                                                                                 |
| 160 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 160                                                                                 |
| 165 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 165                                                                                 |
| 170 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 170                                                                                 |
| 175 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 175                                                                                 |
| 180 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 180                                                                                 |
| 181 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 181                                                                                 |
| 185 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 185                                                                                 |
| 190 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 190                                                                                 |
| 191 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 191                                                                                 |

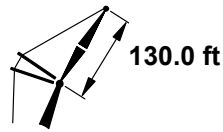
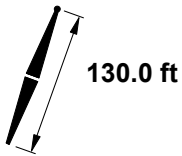


# MLC250 S-2

ASME B30.5



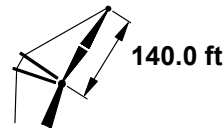
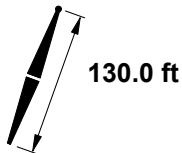
184,600 lb  
+  
44,000 lb

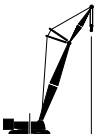
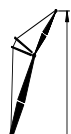


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 67.9 | 255.7 | 62,600 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 65.4 | 253.5 | 57,800 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.0 | 251.0 | 53,600 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 60.5 | 248.3 | 49,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 57.9 | 245.2 | 46,600 |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 56.6 | 244.6 | 46,100 | 63.0 | 248.4 | 42,400 |      |       |        |      |       |        | 101 |
| 105 | 55.2 | 241.9 | 43,700 | 61.0 | 246.2 | 40,300 |      |       |        |      |       |        | 105 |
| 110 | 52.5 | 238.1 | 41,100 | 58.4 | 243.2 | 37,800 |      |       |        |      |       |        | 110 |
| 115 | 49.6 | 234.0 | 38,700 | 55.8 | 239.9 | 35,600 |      |       |        |      |       |        | 115 |
| 120 | 46.6 | 229.4 | 36,500 | 53.1 | 236.3 | 33,500 |      |       |        |      |       |        | 120 |
| 122 | 44.8 | 227.4 | 35,700 | 51.8 | 234.7 | 32,800 | 57.8 | 238.9 | 29,900 |      |       |        | 122 |
| 125 | 43.5 | 224.3 | 34,500 | 50.2 | 232.2 | 31,700 | 56.2 | 236.9 | 28,900 |      |       |        | 125 |
| 130 | 40.1 | 218.6 | 32,600 | 47.3 | 227.8 | 29,900 | 53.5 | 233.3 | 27,300 |      |       |        | 130 |
| 135 | 36.5 | 212.2 | 30,900 | 44.2 | 222.8 | 28,400 | 50.7 | 229.3 | 25,800 |      |       |        | 135 |
| 140 | 32.6 | 204.8 | 29,400 | 40.9 | 217.2 | 26,900 | 47.7 | 224.9 | 24,500 |      |       |        | 140 |
| 141 | 31.2 | 203.0 | 29,100 | 39.4 | 216.0 | 26,600 | 46.4 | 223.9 | 24,200 |      |       |        | 141 |
| 142 | 30.4 | 201.3 | 28,800 | 38.8 | 214.7 | 26,400 | 45.8 | 222.9 | 24,000 | 52.6 | 227.5 | 21,600 | 142 |
| 145 | 28.2 | 196.1 | 27,900 | 37.3 | 210.9 | 25,500 | 44.6 | 220.0 | 23,200 | 50.9 | 225.1 | 20,900 | 145 |
| 146 | 26.8 | 193.9 | 27,600 | 36.2 | 209.5 | 25,300 | 43.4 | 218.9 | 23,000 | 49.4 | 224.2 | 20,700 | 146 |
| 150 | 23.0 | 185.3 | 26,500 | 33.5 | 203.8 | 24,300 | 41.4 | 214.5 | 22,000 | 48.0 | 220.7 | 19,800 | 150 |
| 153 | 18.4 | 176.6 | 25,700 | 30.6 | 198.7 | 23,600 | 38.6 | 210.8 | 21,400 | 45.2 | 217.8 | 19,200 | 153 |
| 155 | 16.2 | 170.8 | 25,200 | 29.1 | 195.3 | 23,100 | 37.9 | 208.4 | 20,900 | 44.9 | 215.9 | 18,800 | 155 |
| 159 | 6.9  | 150.2 | 24,200 | 25.0 | 187.2 | 22,200 | 34.6 | 202.7 | 20,100 | 41.6 | 211.5 | 18,100 | 159 |
| 160 |      |       |        | 24.1 | 185.1 | 22,000 | 34.1 | 201.3 | 19,900 | 41.6 | 210.5 | 17,900 | 160 |
| 165 |      |       |        | 17.8 | 171.7 | 20,900 | 29.8 | 193.1 | 18,900 | 38.2 | 204.4 | 17,000 | 165 |
| 170 |      |       |        | 7.0  | 147.8 | 19,800 | 24.9 | 183.2 | 18,000 | 34.4 | 197.4 | 16,100 | 170 |
| 175 |      |       |        |      |       |        | 18.9 | 170.4 | 17,100 | 30.2 | 189.3 | 15,300 | 175 |
| 180 |      |       |        |      |       |        | 9.5  | 149.8 | 16,200 | 25.4 | 179.6 | 14,600 | 180 |
| 181 |      |       |        |      |       |        | 6.0  | 141.9 | 16,000 | 23.8 | 177.1 | 14,400 | 181 |
| 185 |      |       |        |      |       |        |      |       |        | 19.4 | 167.1 | 13,800 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 10.6 | 147.7 | 13,100 | 190 |
| 191 |      |       |        |      |       |        |      |       |        | 7.6  | 141.0 | 12,900 | 191 |



184,600 lb  
+  
44,000 lb



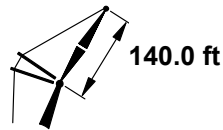
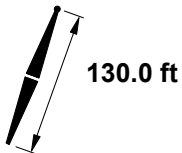
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 47                                                                                | 76.0                                                                                  | 273.5                                                                             | 74,500 b                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 47                                                                                  |
| 50                                                                                | 74.7                                                                                  | 272.7                                                                             | 73,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 72.6                                                                                  | 271.2                                                                             | 72,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 57                                                                                | 71.2                                                                                  | 270.5                                                                             | 71,700                                                                            | 73.6                                                                                  | 271.7                                                                             | 86,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 70.4                                                                                  | 269.5                                                                             | 70,900                                                                            | 72.4                                                                                  | 270.7                                                                             | 83,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 68.2                                                                                  | 267.5                                                                             | 69,500                                                                            | 70.2                                                                                  | 269.0                                                                             | 79,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 66.0                                                                                  | 265.4                                                                             | 68,100                                                                            | 68.0                                                                                  | 267.0                                                                             | 75,000                                                                            | 71.0                                                                                    | 268.9                                                                               | 77,300                                                                              | 70                                                                                  |
| 75                                                                                | 63.7                                                                                  | 263.0                                                                             | 64,200                                                                            | 65.8                                                                                  | 264.8                                                                             | 71,200                                                                            | 68.8                                                                                    | 267.0                                                                               | 70,600                                                                              | 75                                                                                  |
| 80                                                                                | 61.4                                                                                  | 260.3                                                                             | 59,900                                                                            | 63.5                                                                                  | 262.4                                                                             | 67,700                                                                            | 66.5                                                                                    | 264.9                                                                               | 64,900                                                                              | 80                                                                                  |
| 84                                                                                | 59.4                                                                                  | 257.9                                                                             | 56,700                                                                            | 61.4                                                                                  | 260.2                                                                             | 63,700                                                                            | 64.4                                                                                    | 263.0                                                                               | 60,900                                                                              | 84                                                                                  |
| 85                                                                                | 59.0                                                                                  | 257.4                                                                             | 56,000                                                                            | 61.2                                                                                  | 259.7                                                                             | 62,700                                                                            | 64.3                                                                                    | 262.5                                                                               | 60,000                                                                              | 85                                                                                  |
| 90                                                                                | 56.6                                                                                  | 254.2                                                                             | 52,100                                                                            | 58.8                                                                                  | 256.8                                                                             | 58,200                                                                            | 62.0                                                                                    | 259.9                                                                               | 55,600                                                                              | 90                                                                                  |
| 95                                                                                | 54.1                                                                                  | 250.6                                                                             | 48,500                                                                            | 56.3                                                                                  | 253.5                                                                             | 54,200                                                                            | 59.6                                                                                    | 257.1                                                                               | 51,800                                                                              | 95                                                                                  |
| 100                                                                               | 51.5                                                                                  | 246.7                                                                             | 45,100                                                                            | 53.8                                                                                  | 250.0                                                                             | 50,600                                                                            | 57.2                                                                                    | 253.9                                                                               | 48,400                                                                              | 100                                                                                 |
| 105                                                                               | 48.8                                                                                  | 242.5                                                                             | 42,000                                                                            | 51.2                                                                                  | 246.0                                                                             | 47,500                                                                            | 54.7                                                                                    | 250.5                                                                               | 45,300                                                                              | 105                                                                                 |
| 106                                                                               | 47.4                                                                                  | 241.6                                                                             | 41,500                                                                            | 50.4                                                                                  | 245.2                                                                             | 46,900                                                                            | 53.6                                                                                    | 249.7                                                                               | 44,800                                                                              | 106                                                                                 |
| 110                                                                               | 46.0                                                                                  | 237.8                                                                             | 39,200                                                                            | 48.5                                                                                  | 241.8                                                                             | 44,600                                                                            | 52.2                                                                                    | 246.7                                                                               | 42,600                                                                              | 110                                                                                 |
| 115                                                                               | 43.0                                                                                  | 232.6                                                                             | 36,700                                                                            | 45.7                                                                                  | 237.0                                                                             | 42,000                                                                            | 49.5                                                                                    | 242.5                                                                               | 40,100                                                                              | 115                                                                                 |
| 120                                                                               | 39.9                                                                                  | 226.9                                                                             | 34,400                                                                            | 42.8                                                                                  | 231.8                                                                             | 39,700                                                                            | 46.7                                                                                    | 238.0                                                                               | 37,800                                                                              | 120                                                                                 |
| 125                                                                               | 36.6                                                                                  | 220.4                                                                             | 32,400                                                                            | 39.6                                                                                  | 226.0                                                                             | 37,500                                                                            | 43.8                                                                                    | 232.9                                                                               | 35,700                                                                              | 125                                                                                 |
| 127                                                                               | 34.4                                                                                  | 217.5                                                                             | 31,700                                                                            | 37.8                                                                                  | 223.3                                                                             | 36,700                                                                            | 41.8                                                                                    | 230.7                                                                               | 35,000                                                                              | 127                                                                                 |
| 130                                                                               | 32.9                                                                                  | 213.0                                                                             | 30,700                                                                            | 36.2                                                                                  | 219.4                                                                             | 35,500                                                                            | 40.7                                                                                    | 227.3                                                                               | 33,800                                                                              | 130                                                                                 |
| 135                                                                               | 28.9                                                                                  | 204.5                                                                             | 29,100                                                                            | 32.6                                                                                  | 212.0                                                                             | 33,700                                                                            | 37.5                                                                                    | 221.1                                                                               | 32,100                                                                              | 135                                                                                 |
| 140                                                                               | 24.2                                                                                  | 194.3                                                                             | 27,900                                                                            | 28.5                                                                                  | 203.3                                                                             | 32,000                                                                            | 33.9                                                                                    | 214.0                                                                               | 30,500                                                                              | 140                                                                                 |
| 145                                                                               | 18.5                                                                                  | 181.1                                                                             | 27,000                                                                            | 23.7                                                                                  | 192.9                                                                             | 30,400                                                                            | 30.0                                                                                    | 205.8                                                                               | 28,900                                                                              | 145                                                                                 |
| 148                                                                               | 12.6                                                                                  | 168.7                                                                             | 26,800                                                                            | 19.4                                                                                  | 184.7                                                                             | 29,500                                                                            | 26.6                                                                                    | 199.9                                                                               | 28,100                                                                              | 148                                                                                 |
| 150                                                                               | 9.7                                                                                   | 160.4                                                                             | 26,700                                                                            | 17.8                                                                                  | 179.3                                                                             | 28,900                                                                            | 25.5                                                                                    | 196.0                                                                               | 27,500                                                                              | 150                                                                                 |
| 151                                                                               | 6.6                                                                                   | 152.9                                                                             | 25,300                                                                            | 15.2                                                                                  | 174.8                                                                             | 28,500                                                                            | 24.0                                                                                    | 193.6                                                                               | 27,300                                                                              | 151                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   | 8.4                                                                                   | 156.9                                                                             | 26,800                                                                            | 20.1                                                                                    | 183.8                                                                               | 26,200                                                                              | 155                                                                                 |
| 156                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.4                                                                                   | 147.2                                                                             | 25,000                                                                            | 18.4                                                                                    | 180.3                                                                               | 25,900                                                                              | 156                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.6                                                                                    | 166.2                                                                               | 24,900                                                                              | 160                                                                                 |
| 163                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.5                                                                                     | 141.7                                                                               | 24,100                                                                              | 163                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 169                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 169                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 191                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 191                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 201                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 201                                                                                 |

# MLC250 S-2

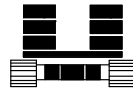
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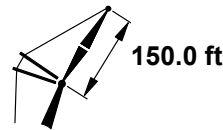
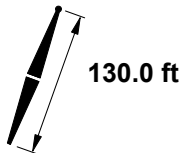
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+  
44,000 lb

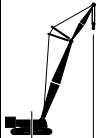
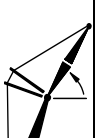
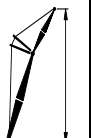
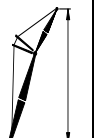
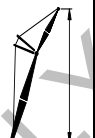
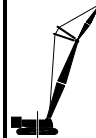


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 67.8 | 264.9 | 58,100 |      |       |        |      |       |        |      |       |        | 84  |
| 85  | 67.3 | 264.5 | 57,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.1 | 262.2 | 53,100 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 62.8 | 259.7 | 49,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 60.4 | 257.0 | 46,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 58.0 | 253.9 | 43,200 |      |       |        |      |       |        |      |       |        | 105 |
| 106 | 57.4 | 253.2 | 42,700 | 62.8 | 257.1 | 39,200 |      |       |        |      |       |        | 106 |
| 110 | 55.6 | 250.6 | 40,600 | 60.9 | 254.9 | 37,200 |      |       |        |      |       |        | 110 |
| 115 | 53.0 | 246.9 | 38,200 | 58.5 | 251.9 | 35,000 |      |       |        |      |       |        | 115 |
| 120 | 50.4 | 242.9 | 36,000 | 56.1 | 248.6 | 33,000 |      |       |        |      |       |        | 120 |
| 125 | 47.7 | 238.5 | 34,000 | 53.6 | 245.0 | 31,100 |      |       |        |      |       |        | 125 |
| 127 | 45.8 | 236.5 | 33,300 | 51.8 | 243.5 | 30,400 | 57.9 | 247.5 | 27,600 |      |       |        | 127 |
| 130 | 44.8 | 233.6 | 32,200 | 51.0 | 241.1 | 29,400 | 56.5 | 245.6 | 26,700 |      |       |        | 130 |
| 135 | 41.8 | 228.2 | 30,500 | 48.3 | 236.8 | 27,800 | 54.0 | 242.0 | 25,200 |      |       |        | 135 |
| 140 | 38.6 | 222.2 | 28,900 | 45.4 | 232.0 | 26,400 | 51.4 | 238.1 | 23,900 |      |       |        | 140 |
| 145 | 35.2 | 215.4 | 27,500 | 42.5 | 226.7 | 25,000 | 48.7 | 233.9 | 22,600 |      |       |        | 145 |
| 148 | 32.6 | 210.7 | 26,700 | 40.2 | 223.2 | 24,300 | 46.2 | 231.0 | 21,900 | 52.6 | 235.5 | 19,700 | 148 |
| 150 | 31.4 | 207.6 | 26,100 | 39.3 | 220.8 | 23,800 | 45.9 | 229.1 | 21,500 | 51.6 | 233.9 | 19,200 | 150 |
| 151 | 30.2 | 205.8 | 25,900 | 38.2 | 219.5 | 23,500 | 44.4 | 228.1 | 21,300 | 50.4 | 233.1 | 19,000 | 151 |
| 155 | 27.1 | 198.5 | 24,900 | 35.9 | 214.2 | 22,600 | 42.9 | 223.9 | 20,400 | 48.9 | 229.7 | 18,200 | 155 |
| 156 | 26.0 | 196.2 | 24,600 | 34.4 | 212.7 | 22,400 | 41.4 | 222.8 | 20,200 | 47.6 | 228.8 | 18,000 | 156 |
| 160 | 22.1 | 187.3 | 23,700 | 32.2 | 206.6 | 21,500 | 39.8 | 218.2 | 19,400 | 46.1 | 225.0 | 17,300 | 160 |
| 163 | 17.8 | 178.2 | 23,000 | 29.6 | 201.4 | 20,900 | 37.2 | 214.3 | 18,800 | 44.2 | 221.9 | 16,800 | 163 |
| 165 | 15.6 | 172.2 | 22,500 | 28.0 | 197.8 | 20,500 | 36.4 | 211.7 | 18,400 | 43.2 | 219.9 | 16,400 | 165 |
| 169 | 6.6  | 150.7 | 21,600 | 24.0 | 189.3 | 19,700 | 32.8 | 205.7 | 17,700 | 40.6 | 215.3 | 15,700 | 169 |
| 170 |      |       |        | 23.2 | 187.2 | 19,500 | 32.8 | 204.3 | 17,500 | 40.0 | 214.1 | 15,600 | 170 |
| 175 |      |       |        | 17.1 | 173.1 | 18,500 | 28.7 | 195.7 | 16,700 | 36.7 | 207.7 | 14,800 | 175 |
| 180 |      |       |        | 6.8  | 148.4 | 17,600 | 24.0 | 185.3 | 15,800 | 33.1 | 200.4 | 14,000 | 180 |
| 185 |      |       |        |      |       |        | 18.2 | 172.0 | 15,100 | 29.1 | 191.9 | 13,300 | 185 |
| 190 |      |       |        |      |       |        | 9.2  | 150.6 | 14,300 | 24.4 | 181.7 | 12,700 | 190 |
| 191 |      |       |        |      |       |        | 5.8  | 142.3 | 14,100 | 22.8 | 179.1 | 12,500 | 191 |
| 195 |      |       |        |      |       |        |      |       |        | 18.7 | 168.7 | 12,000 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 10.2 | 148.6 | 11,300 | 200 |
| 201 |      |       |        |      |       |        |      |       |        | 7.3  | 141.6 | 11,200 | 201 |



184,600 lb  
+  
44,000 lb



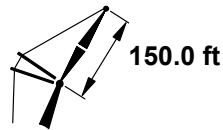
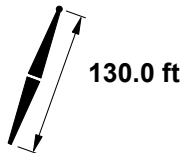
|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  ft |  ft   |  lb |  ft |  |
| 50  | 75.7                                                                                  | 283.1                                                                                | 68,200                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 50                                                                                     |  |
| 55  | 73.8                                                                                  | 281.7                                                                                | 66,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 55                                                                                     |  |
| 59  | 71.4                                                                                  | 280.4                                                                                | 66,000                                                                               | 74.0                                                                                  | 281.5                                                                                | 79,000                                                                               |                                                                                         |                                                                                        | 59                                                                                     |  |
| 60  | 71.7                                                                                  | 280.1                                                                                | 65,900                                                                               | 73.6                                                                                  | 281.2                                                                                | 78,900                                                                               |                                                                                         |                                                                                        | 60                                                                                     |  |
| 65  | 69.7                                                                                  | 278.3                                                                                | 64,100                                                                               | 71.6                                                                                  | 279.6                                                                                | 76,600                                                                               |                                                                                         |                                                                                        | 65                                                                                     |  |
| 70  | 67.7                                                                                  | 276.3                                                                                | 63,000                                                                               | 69.5                                                                                  | 277.8                                                                                | 72,800                                                                               |                                                                                         |                                                                                        | 70                                                                                     |  |
| 74  | 65.4                                                                                  | 274.5                                                                                | 62,000                                                                               | 67.4                                                                                  | 276.2                                                                                | 70,000                                                                               | 70.7                                                                                    | 278.0                                                                                  | 74                                                                                     |  |
| 75  | 65.6                                                                                  | 274.1                                                                                | 61,800                                                                               | 67.5                                                                                  | 275.8                                                                                | 69,300                                                                               | 70.2                                                                                    | 277.7                                                                                  | 75                                                                                     |  |
| 80  | 63.4                                                                                  | 271.6                                                                                | 57,900                                                                               | 65.4                                                                                  | 273.5                                                                                | 66,000                                                                               | 68.2                                                                                    | 275.7                                                                                  | 80                                                                                     |  |
| 85  | 61.3                                                                                  | 269.0                                                                                | 54,300                                                                               | 63.2                                                                                  | 271.1                                                                                | 62,500                                                                               | 66.1                                                                                    | 273.6                                                                                  | 85                                                                                     |  |
| 88  | 59.8                                                                                  | 267.2                                                                                | 52,200                                                                               | 61.8                                                                                  | 269.4                                                                                | 59,800                                                                               | 64.8                                                                                    | 272.1                                                                                  | 88                                                                                     |  |
| 90  | 59.1                                                                                  | 266.0                                                                                | 50,800                                                                               | 61.1                                                                                  | 268.4                                                                                | 58,000                                                                               | 64.0                                                                                    | 271.2                                                                                  | 90                                                                                     |  |
| 95  | 56.8                                                                                  | 262.8                                                                                | 47,500                                                                               | 58.9                                                                                  | 265.4                                                                                | 54,000                                                                               | 61.8                                                                                    | 268.6                                                                                  | 95                                                                                     |  |
| 100 | 54.5                                                                                  | 259.4                                                                                | 44,500                                                                               | 56.6                                                                                  | 262.2                                                                                | 50,500                                                                               | 59.6                                                                                    | 265.7                                                                                  | 100                                                                                    |  |
| 105 | 52.1                                                                                  | 255.6                                                                                | 41,400                                                                               | 54.3                                                                                  | 258.7                                                                                | 47,300                                                                               | 57.4                                                                                    | 262.6                                                                                  | 105                                                                                    |  |
| 110 | 49.6                                                                                  | 251.4                                                                                | 38,700                                                                               | 51.8                                                                                  | 254.9                                                                                | 44,500                                                                               | 55.1                                                                                    | 259.2                                                                                  | 110                                                                                    |  |
| 115 | 47.0                                                                                  | 246.9                                                                                | 36,300                                                                               | 49.4                                                                                  | 250.7                                                                                | 41,900                                                                               | 52.7                                                                                    | 255.5                                                                                  | 115                                                                                    |  |
| 120 | 44.3                                                                                  | 241.9                                                                                | 34,100                                                                               | 46.8                                                                                  | 246.1                                                                                | 39,500                                                                               | 50.2                                                                                    | 251.4                                                                                  | 120                                                                                    |  |
| 125 | 41.5                                                                                  | 236.4                                                                                | 32,000                                                                               | 44.1                                                                                  | 241.1                                                                                | 37,400                                                                               | 47.7                                                                                    | 247.0                                                                                  | 125                                                                                    |  |
| 130 | 38.5                                                                                  | 230.4                                                                                | 30,200                                                                               | 41.2                                                                                  | 235.6                                                                                | 35,400                                                                               | 45.0                                                                                    | 242.2                                                                                  | 130                                                                                    |  |
| 133 | 36.2                                                                                  | 226.3                                                                                | 29,200                                                                               | 39.2                                                                                  | 231.9                                                                                | 34,300                                                                               | 43.2                                                                                    | 238.9                                                                                  | 133                                                                                    |  |
| 135 | 35.3                                                                                  | 223.6                                                                                | 28,600                                                                               | 38.2                                                                                  | 229.4                                                                                | 33,600                                                                               | 42.2                                                                                    | 236.8                                                                                  | 135                                                                                    |  |
| 140 | 31.8                                                                                  | 215.9                                                                                | 27,100                                                                               | 35.0                                                                                  | 222.6                                                                                | 31,900                                                                               | 39.3                                                                                    | 230.9                                                                                  | 140                                                                                    |  |
| 145 | 27.9                                                                                  | 207.0                                                                                | 25,900                                                                               | 31.4                                                                                  | 214.8                                                                                | 30,300                                                                               | 36.1                                                                                    | 224.3                                                                                  | 145                                                                                    |  |
| 150 | 23.4                                                                                  | 196.3                                                                                | 24,800                                                                               | 27.5                                                                                  | 205.8                                                                                | 28,800                                                                               | 32.7                                                                                    | 216.9                                                                                  | 150                                                                                    |  |
| 154 | 18.2                                                                                  | 185.4                                                                                | 24,300                                                                               | 23.0                                                                                  | 197.0                                                                                | 27,700                                                                               | 28.8                                                                                    | 210.1                                                                                  | 154                                                                                    |  |
| 155 | 17.8                                                                                  | 182.7                                                                                | 24,100                                                                               | 22.9                                                                                  | 194.9                                                                                | 27,500                                                                               | 28.9                                                                                    | 208.3                                                                                  | 155                                                                                    |  |
| 160 | 9.4                                                                                   | 161.1                                                                                | 23,800                                                                               | 17.2                                                                                  | 180.8                                                                                | 26,200                                                                               | 24.6                                                                                    | 198.2                                                                                  | 160                                                                                    |  |
| 161 | 6.4                                                                                   | 153.4                                                                                | 22,600                                                                               | 15.2                                                                                  | 176.1                                                                                | 25,700                                                                               | 23.0                                                                                    | 195.7                                                                                  | 161                                                                                    |  |
| 165 |                                                                                       |                                                                                      |                                                                                      | 8.1                                                                                   | 157.6                                                                                | 23,900                                                                               | 19.4                                                                                    | 185.5                                                                                  | 165                                                                                    |  |
| 166 |                                                                                       |                                                                                      |                                                                                      | 4.2                                                                                   | 147.5                                                                                | 22,400                                                                               | 17.6                                                                                    | 181.8                                                                                  | 166                                                                                    |  |
| 170 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 12.1                                                                                    | 167.2                                                                                  | 170                                                                                    |  |
| 173 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 2.4                                                                                     | 141.9                                                                                  | 173                                                                                    |  |
| 175 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 175                                                                                    |  |
| 179 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 179                                                                                    |  |
| 180 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 180                                                                                    |  |
| 185 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 185                                                                                    |  |
| 190 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 190                                                                                    |  |
| 195 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 195                                                                                    |  |
| 200 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 200                                                                                    |  |
| 201 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 201                                                                                    |  |
| 205 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 205                                                                                    |  |
| 210 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 210                                                                                    |  |
| 211 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 211                                                                                    |  |

# MLC250 S-2

ASME B30.5



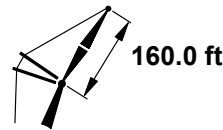
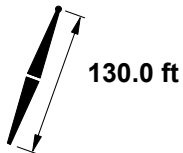
184,600 lb  
+  
44,000 lb

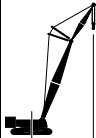
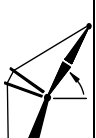
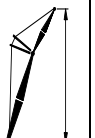
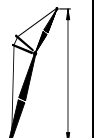
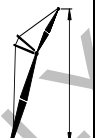
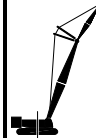


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 67.7 | 274.1 | 54,500 |      |       |        |      |       |        |      |       |        | 88  |
| 90  | 66.8 | 273.2 | 52,900 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.7 | 270.9 | 49,200 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.6 | 268.4 | 45,900 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 60.4 | 265.6 | 43,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 58.2 | 262.6 | 40,400 | 63.0 | 266.3 | 37,000 |      |       |        |      |       |        | 110 |
| 115 | 55.9 | 259.3 | 38,000 | 60.9 | 263.6 | 34,800 |      |       |        |      |       |        | 115 |
| 120 | 53.5 | 255.7 | 35,800 | 58.6 | 260.6 | 32,800 |      |       |        |      |       |        | 120 |
| 125 | 51.1 | 251.7 | 33,800 | 56.4 | 257.3 | 30,900 |      |       |        |      |       |        | 125 |
| 130 | 48.6 | 247.4 | 32,000 | 54.0 | 253.8 | 29,200 |      |       |        |      |       |        | 130 |
| 133 | 46.2 | 244.6 | 31,000 | 52.2 | 251.5 | 28,300 | 57.6 | 255.6 | 25,600 |      |       |        | 133 |
| 135 | 46.0 | 242.7 | 30,300 | 51.6 | 249.9 | 27,700 | 56.7 | 254.2 | 25,100 |      |       |        | 135 |
| 140 | 43.2 | 237.6 | 28,800 | 49.1 | 245.7 | 26,200 | 54.4 | 250.8 | 23,700 |      |       |        | 140 |
| 145 | 40.3 | 231.9 | 27,300 | 46.5 | 241.1 | 24,900 | 52.0 | 246.9 | 22,500 |      |       |        | 145 |
| 150 | 37.2 | 225.6 | 26,000 | 43.8 | 236.0 | 23,600 | 49.5 | 242.8 | 21,300 |      |       |        | 150 |
| 154 | 33.8 | 219.8 | 25,000 | 40.6 | 231.6 | 22,700 | 46.6 | 239.1 | 20,400 | 52.7 | 243.5 | 18,200 | 154 |
| 155 | 33.9 | 218.4 | 24,700 | 40.9 | 230.5 | 22,500 | 46.9 | 238.2 | 20,200 | 52.2 | 242.7 | 18,000 | 155 |
| 160 | 30.3 | 210.3 | 23,600 | 37.9 | 224.3 | 21,400 | 44.2 | 233.2 | 19,200 | 49.7 | 238.6 | 17,100 | 160 |
| 161 | 29.2 | 208.4 | 23,300 | 36.4 | 222.9 | 21,200 | 43.4 | 232.1 | 19,000 | 48.6 | 237.7 | 16,900 | 161 |
| 165 | 26.2 | 200.8 | 22,500 | 34.6 | 217.3 | 20,300 | 41.4 | 227.7 | 18,300 | 47.1 | 234.1 | 16,200 | 165 |
| 166 | 25.0 | 198.5 | 22,200 | 33.4 | 215.7 | 20,200 | 40.4 | 226.5 | 18,100 | 46.4 | 233.1 | 16,100 | 166 |
| 170 | 21.3 | 189.1 | 21,400 | 31.1 | 209.4 | 19,400 | 38.4 | 221.7 | 17,400 | 44.4 | 229.1 | 15,400 | 170 |
| 173 | 17.4 | 179.7 | 20,800 | 28.6 | 203.9 | 18,800 | 36.2 | 217.6 | 16,900 | 42.2 | 225.9 | 14,900 | 173 |
| 175 | 15.0 | 173.4 | 20,400 | 27.1 | 200.2 | 18,500 | 35.1 | 214.8 | 16,500 | 41.6 | 223.7 | 14,600 | 175 |
| 179 | 6.4  | 151.3 | 19,600 | 23.0 | 191.3 | 17,800 | 31.8 | 208.6 | 15,900 | 38.6 | 218.8 | 14,000 | 179 |
| 180 |      |       |        | 22.4 | 189.1 | 17,600 | 31.6 | 207.1 | 15,700 | 38.6 | 217.6 | 13,900 | 180 |
| 185 |      |       |        | 16.5 | 174.6 | 16,800 | 27.7 | 198.1 | 15,000 | 35.4 | 210.9 | 13,200 | 185 |
| 190 |      |       |        | 6.5  | 148.9 | 15,900 | 23.2 | 187.4 | 14,200 | 31.9 | 203.2 | 12,500 | 190 |
| 195 |      |       |        |      |       |        | 17.5 | 173.5 | 13,500 | 28.0 | 194.4 | 11,900 | 195 |
| 200 |      |       |        |      |       |        | 8.8  | 151.3 | 12,800 | 23.6 | 183.8 | 11,300 | 200 |
| 201 |      |       |        |      |       |        | 5.5  | 142.8 | 12,700 | 22.0 | 181.1 | 11,200 | 201 |
| 205 |      |       |        |      |       |        |      |       |        | 18.1 | 170.3 | 10,700 | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 9.8  | 149.4 | 10,100 | 210 |
| 211 |      |       |        |      |       |        |      |       |        | 7.1  | 142.2 | 10,000 | 211 |



184,600 lb  
+  
44,000 lb



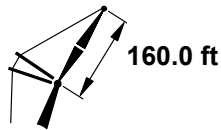
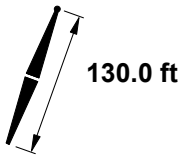
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 52                                                                                | 75.9                                                                                  | 292.9                                                                             | 62,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 52                                                                                  |
| 55                                                                                | 74.8                                                                                  | 292.1                                                                             | 61,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 72.9                                                                                  | 290.6                                                                             | 60,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 62                                                                                | 71.6                                                                                  | 289.9                                                                             | 60,000                                                                            | 73.9                                                                                  | 291.1                                                                             | 71,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 62                                                                                  |
| 65                                                                                | 71.0                                                                                  | 288.9                                                                             | 59,100                                                                            | 72.8                                                                                  | 290.1                                                                             | 71,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 69.1                                                                                  | 287.1                                                                             | 58,100                                                                            | 70.9                                                                                  | 288.4                                                                             | 70,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 67.2                                                                                  | 285.0                                                                             | 57,200                                                                            | 69.0                                                                                  | 286.6                                                                             | 67,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 77                                                                                | 66.2                                                                                  | 284.1                                                                             | 56,600                                                                            | 67.6                                                                                  | 285.7                                                                             | 65,900                                                                            | 70.8                                                                                    | 287.6                                                                               | 67,600                                                                              | 77                                                                                  |
| 80                                                                                | 65.2                                                                                  | 282.8                                                                             | 55,700                                                                            | 67.0                                                                                  | 284.5                                                                             | 64,000                                                                            | 69.6                                                                                    | 286.5                                                                               | 64,200                                                                              | 80                                                                                  |
| 85                                                                                | 63.2                                                                                  | 280.3                                                                             | 52,400                                                                            | 65.0                                                                                  | 282.2                                                                             | 61,100                                                                            | 67.7                                                                                    | 284.5                                                                               | 59,300                                                                              | 85                                                                                  |
| 90                                                                                | 61.2                                                                                  | 277.6                                                                             | 49,300                                                                            | 63.0                                                                                  | 279.7                                                                             | 57,600                                                                            | 65.7                                                                                    | 282.3                                                                               | 55,000                                                                              | 90                                                                                  |
| 91                                                                                | 60.6                                                                                  | 277.0                                                                             | 48,700                                                                            | 62.6                                                                                  | 279.2                                                                             | 56,800                                                                            | 64.6                                                                                    | 281.8                                                                               | 54,200                                                                              | 91                                                                                  |
| 95                                                                                | 59.1                                                                                  | 274.7                                                                             | 46,300                                                                            | 61.0                                                                                  | 277.0                                                                             | 53,600                                                                            | 63.8                                                                                    | 279.9                                                                               | 51,100                                                                              | 95                                                                                  |
| 100                                                                               | 57.0                                                                                  | 271.5                                                                             | 43,500                                                                            | 58.9                                                                                  | 274.1                                                                             | 50,100                                                                            | 61.7                                                                                    | 277.2                                                                               | 47,800                                                                              | 100                                                                                 |
| 105                                                                               | 54.8                                                                                  | 268.1                                                                             | 40,800                                                                            | 56.8                                                                                  | 270.9                                                                             | 46,900                                                                            | 59.7                                                                                    | 274.4                                                                               | 44,700                                                                              | 105                                                                                 |
| 110                                                                               | 52.6                                                                                  | 264.3                                                                             | 38,200                                                                            | 54.6                                                                                  | 267.4                                                                             | 44,100                                                                            | 57.6                                                                                    | 271.3                                                                               | 42,000                                                                              | 110                                                                                 |
| 115                                                                               | 50.3                                                                                  | 260.3                                                                             | 35,800                                                                            | 52.4                                                                                  | 263.7                                                                             | 41,500                                                                            | 55.4                                                                                    | 267.9                                                                               | 39,500                                                                              | 115                                                                                 |
| 120                                                                               | 47.9                                                                                  | 255.9                                                                             | 33,600                                                                            | 50.1                                                                                  | 259.6                                                                             | 39,100                                                                            | 53.2                                                                                    | 264.3                                                                               | 37,200                                                                              | 120                                                                                 |
| 125                                                                               | 45.4                                                                                  | 251.1                                                                             | 31,600                                                                            | 47.7                                                                                  | 255.1                                                                             | 37,000                                                                            | 50.9                                                                                    | 260.3                                                                               | 35,200                                                                              | 125                                                                                 |
| 130                                                                               | 42.8                                                                                  | 245.9                                                                             | 29,800                                                                            | 45.2                                                                                  | 250.3                                                                             | 35,000                                                                            | 48.5                                                                                    | 256.0                                                                               | 33,300                                                                              | 130                                                                                 |
| 135                                                                               | 40.1                                                                                  | 240.1                                                                             | 28,200                                                                            | 42.6                                                                                  | 245.0                                                                             | 33,200                                                                            | 46.1                                                                                    | 251.3                                                                               | 31,500                                                                              | 135                                                                                 |
| 138                                                                               | 38.2                                                                                  | 236.3                                                                             | 27,300                                                                            | 40.2                                                                                  | 241.5                                                                             | 32,200                                                                            | 44.2                                                                                    | 248.2                                                                               | 30,500                                                                              | 138                                                                                 |
| 140                                                                               | 37.2                                                                                  | 233.8                                                                             | 26,700                                                                            | 39.8                                                                                  | 239.2                                                                             | 31,500                                                                            | 43.5                                                                                    | 246.2                                                                               | 29,900                                                                              | 140                                                                                 |
| 145                                                                               | 34.1                                                                                  | 226.7                                                                             | 25,300                                                                            | 36.9                                                                                  | 232.8                                                                             | 29,900                                                                            | 40.8                                                                                    | 240.6                                                                               | 28,400                                                                              | 145                                                                                 |
| 150                                                                               | 30.7                                                                                  | 218.6                                                                             | 24,100                                                                            | 33.8                                                                                  | 225.6                                                                             | 28,500                                                                            | 38.0                                                                                    | 234.4                                                                               | 27,000                                                                              | 150                                                                                 |
| 155                                                                               | 27.0                                                                                  | 209.4                                                                             | 23,100                                                                            | 30.4                                                                                  | 217.5                                                                             | 27,100                                                                            | 34.9                                                                                    | 227.5                                                                               | 25,700                                                                              | 155                                                                                 |
| 160                                                                               | 22.6                                                                                  | 198.3                                                                             | 22,300                                                                            | 26.6                                                                                  | 208.1                                                                             | 25,800                                                                            | 31.6                                                                                    | 219.7                                                                               | 24,500                                                                              | 160                                                                                 |
| 165                                                                               | 17.2                                                                                  | 184.1                                                                             | 21,700                                                                            | 22.1                                                                                  | 196.8                                                                             | 24,600                                                                            | 28.0                                                                                    | 210.8                                                                               | 23,300                                                                              | 165                                                                                 |
| 170                                                                               | 9.0                                                                                   | 161.9                                                                             | 20,900                                                                            | 16.6                                                                                  | 182.2                                                                             | 23,500                                                                            | 23.8                                                                                    | 200.3                                                                               | 22,300                                                                              | 170                                                                                 |
| 171                                                                               | 6.2                                                                                   | 153.9                                                                             | 19,800                                                                            | 14.2                                                                                  | 177.4                                                                             | 23,000                                                                            | 22.0                                                                                    | 197.7                                                                               | 22,100                                                                              | 171                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   | 7.8                                                                                   | 158.2                                                                             | 21,000                                                                            | 18.8                                                                                    | 187.2                                                                               | 21,200                                                                              | 175                                                                                 |
| 176                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.1                                                                                   | 147.8                                                                             | 19,600                                                                            | 16.6                                                                                    | 183.4                                                                               | 21,000                                                                              | 176                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.7                                                                                    | 168.2                                                                               | 20,200                                                                              | 180                                                                                 |
| 183                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.3                                                                                     | 142.0                                                                               | 19,600                                                                              | 183                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 189                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 189                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 211                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 211                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 221                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 221                                                                                 |

# MLC250 S-2

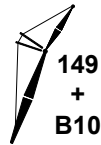
ASME B30.5



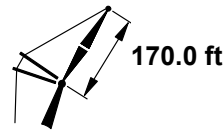
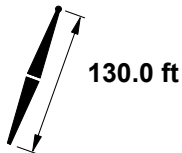
184,600 lb  
+  
44,000 lb

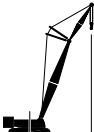
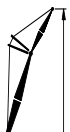
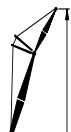
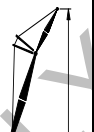
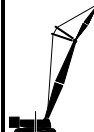


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  |      |       |        |      |       |        |      |       |        |      |       |        | 77  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 91  | 68.0 | 283.7 | 51,600 |      |       |        |      |       |        |      |       |        | 91  |
| 95  | 66.4 | 281.9 | 48,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.4 | 279.6 | 45,400 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.4 | 277.0 | 42,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 60.4 | 274.3 | 39,900 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 58.3 | 271.3 | 37,500 | 62.8 | 274.9 | 34,300 |      |       |        |      |       |        | 115 |
| 120 | 56.1 | 268.0 | 35,300 | 60.8 | 272.2 | 32,200 |      |       |        |      |       |        | 120 |
| 125 | 54.0 | 264.4 | 33,400 | 58.7 | 269.2 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 51.7 | 260.6 | 31,500 | 56.6 | 266.0 | 28,700 |      |       |        |      |       |        | 130 |
| 135 | 49.4 | 256.4 | 29,900 | 54.4 | 262.5 | 27,100 |      |       |        |      |       |        | 135 |
| 138 | 47.2 | 253.6 | 28,900 | 52.8 | 260.2 | 26,300 | 57.8 | 264.2 | 23,700 |      |       |        | 138 |
| 140 | 46.9 | 251.8 | 28,300 | 52.2 | 258.7 | 25,700 | 56.9 | 262.9 | 23,100 |      |       |        | 140 |
| 145 | 44.4 | 246.9 | 26,900 | 49.8 | 254.6 | 24,400 | 54.7 | 259.5 | 21,900 |      |       |        | 145 |
| 150 | 41.8 | 241.4 | 25,500 | 47.4 | 250.1 | 23,100 | 52.5 | 255.7 | 20,700 |      |       |        | 150 |
| 155 | 39.0 | 235.4 | 24,300 | 44.9 | 245.3 | 22,000 | 50.2 | 251.7 | 19,700 |      |       |        | 155 |
| 160 | 36.0 | 228.8 | 23,100 | 42.3 | 239.9 | 20,900 | 47.8 | 247.2 | 18,700 | 52.7 | 251.5 | 16,500 | 160 |
| 165 | 32.8 | 221.4 | 22,000 | 39.6 | 234.1 | 19,900 | 45.3 | 242.4 | 17,700 | 50.4 | 247.5 | 15,700 | 165 |
| 170 | 29.3 | 212.9 | 21,000 | 36.6 | 227.6 | 18,900 | 42.7 | 237.2 | 16,800 | 48.0 | 243.1 | 14,800 | 170 |
| 171 | 28.2 | 210.9 | 20,800 | 35.4 | 226.1 | 18,700 | 41.4 | 236.0 | 16,700 | 47.4 | 242.1 | 14,700 | 171 |
| 175 | 25.3 | 203.0 | 20,000 | 33.5 | 220.3 | 18,000 | 40.0 | 231.4 | 16,000 | 45.5 | 238.3 | 14,100 | 175 |
| 176 | 24.0 | 200.6 | 19,800 | 32.4 | 218.7 | 17,800 | 38.6 | 230.1 | 15,900 | 44.4 | 237.3 | 13,900 | 176 |
| 180 | 20.6 | 190.9 | 19,100 | 30.0 | 212.1 | 17,200 | 37.1 | 225.0 | 15,200 | 42.9 | 233.1 | 13,300 | 180 |
| 183 | 16.4 | 181.2 | 18,600 | 27.6 | 206.4 | 16,700 | 34.6 | 220.7 | 14,800 | 40.8 | 229.7 | 12,900 | 183 |
| 185 | 14.5 | 174.7 | 18,200 | 26.2 | 202.6 | 16,300 | 34.0 | 217.9 | 14,500 | 40.2 | 227.4 | 12,700 | 185 |
| 189 | 6.2  | 151.8 | 17,500 | 22.0 | 193.3 | 15,700 | 30.6 | 211.4 | 13,900 | 37.6 | 222.3 | 12,100 | 189 |
| 190 |      |       |        | 21.7 | 191.0 | 15,600 | 30.6 | 209.8 | 13,800 | 37.3 | 221.0 | 12,000 | 190 |
| 195 |      |       |        | 16.0 | 176.0 | 14,800 | 26.8 | 200.5 | 13,100 | 34.2 | 214.0 | 11,400 | 195 |
| 200 |      |       |        | 6.3  | 149.4 | 14,000 | 22.4 | 189.3 | 12,400 | 30.9 | 206.0 | 10,800 | 200 |
| 205 |      |       |        |      |       |        | 17.0 | 175.0 | 11,800 | 27.1 | 196.8 | 10,200 | 205 |
| 210 |      |       |        |      |       |        | 8.5  | 152.0 | 11,200 | 22.8 | 185.8 | 9,700  | 210 |
| 211 |      |       |        |      |       |        | 5.4  | 143.2 | 11,000 | 20.7 | 182.2 | 9,600  | 211 |
| 220 |      |       |        |      |       |        |      |       |        | 9.5  | 150.2 | 8,500  | 220 |
| 221 |      |       |        |      |       |        |      |       |        | 6.8  | 142.8 | 8,400  | 221 |



184,600 lb  
+  
44,000 lb

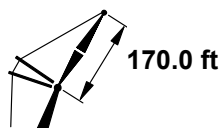
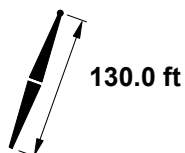


|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                       |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ft |  ft |  lb  |  ft |  ft |  lb    |  ft |  ft |  lb |  ft |
| 55  | 75.7                                                                                  | 302.5                                                                                | 56,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 55                                                                                     |
| 60  | 74.0                                                                                  | 301.1                                                                                | 55,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 60                                                                                     |
| 65  | 72.2                                                                                  | 299.5                                                                                | 55,000                                                                               | 73.8                                                                                  | 300.6                                                                                | 64,800                                                                               |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 65                                                                                     |
| 70  | 70.4                                                                                  | 297.8                                                                                | 54,100                                                                               | 72.0                                                                                  | 299.0                                                                                | 64,500                                                                               |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 70                                                                                     |
| 75  | 68.6                                                                                  | 295.8                                                                                | 52,900                                                                               | 70.2                                                                                  | 297.3                                                                                | 64,300                                                                               |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 75                                                                                     |
| 80  | 66.8                                                                                  | 293.7                                                                                | 52,100                                                                               | 68.4                                                                                  | 295.3                                                                                | 62,300                                                                               | 70.9                                                                                    | 297.1                                                                                 | 62,700                                                                                 |                                                                                        | 80                                                                                     |
| 85  | 64.9                                                                                  | 291.5                                                                                | 50,500                                                                               | 66.6                                                                                  | 293.2                                                                                | 59,600                                                                               | 69.1                                                                                    | 295.3                                                                                 | 58,900                                                                                 |                                                                                        | 85                                                                                     |
| 90  | 63.0                                                                                  | 289.0                                                                                | 47,700                                                                               | 64.8                                                                                  | 290.9                                                                                | 56,700                                                                               | 67.3                                                                                    | 293.2                                                                                 | 54,600                                                                                 |                                                                                        | 90                                                                                     |
| 95  | 61.1                                                                                  | 286.3                                                                                | 45,000                                                                               | 62.9                                                                                  | 288.4                                                                                | 53,300                                                                               | 65.4                                                                                    | 291.0                                                                                 | 50,800                                                                                 |                                                                                        | 95                                                                                     |
| 100 | 59.2                                                                                  | 283.4                                                                                | 42,400                                                                               | 61.0                                                                                  | 285.7                                                                                | 49,700                                                                               | 63.5                                                                                    | 288.5                                                                                 | 47,400                                                                                 |                                                                                        | 100                                                                                    |
| 105 | 57.2                                                                                  | 280.2                                                                                | 40,000                                                                               | 59.0                                                                                  | 282.8                                                                                | 46,600                                                                               | 61.6                                                                                    | 285.9                                                                                 | 44,300                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 55.2                                                                                  | 276.8                                                                                | 37,600                                                                               | 57.0                                                                                  | 279.6                                                                                | 43,700                                                                               | 59.7                                                                                    | 283.0                                                                                 | 41,600                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 53.1                                                                                  | 273.1                                                                                | 35,400                                                                               | 55.0                                                                                  | 276.1                                                                                | 41,100                                                                               | 57.7                                                                                    | 280.0                                                                                 | 39,100                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 50.9                                                                                  | 269.1                                                                                | 33,300                                                                               | 52.9                                                                                  | 272.4                                                                                | 38,800                                                                               | 55.7                                                                                    | 276.6                                                                                 | 36,900                                                                                 |                                                                                        | 120                                                                                    |
| 125 | 48.7                                                                                  | 264.9                                                                                | 31,300                                                                               | 50.7                                                                                  | 268.4                                                                                | 36,600                                                                               | 53.6                                                                                    | 273.0                                                                                 | 34,800                                                                                 |                                                                                        | 125                                                                                    |
| 130 | 46.4                                                                                  | 260.2                                                                                | 29,600                                                                               | 48.5                                                                                  | 264.1                                                                                | 34,700                                                                               | 51.5                                                                                    | 269.1                                                                                 | 32,900                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 44.0                                                                                  | 255.2                                                                                | 27,900                                                                               | 46.2                                                                                  | 259.4                                                                                | 32,900                                                                               | 49.3                                                                                    | 264.9                                                                                 | 31,200                                                                                 |                                                                                        | 135                                                                                    |
| 140 | 41.5                                                                                  | 249.7                                                                                | 26,400                                                                               | 43.8                                                                                  | 254.3                                                                                | 31,200                                                                               | 47.0                                                                                    | 260.4                                                                                 | 29,600                                                                                 |                                                                                        | 140                                                                                    |
| 143 | 39.2                                                                                  | 246.0                                                                                | 25,500                                                                               | 41.8                                                                                  | 251.0                                                                                | 30,200                                                                               | 44.8                                                                                    | 257.4                                                                                 | 28,700                                                                                 |                                                                                        | 143                                                                                    |
| 145 | 38.8                                                                                  | 243.6                                                                                | 25,000                                                                               | 41.2                                                                                  | 248.8                                                                                | 29,600                                                                               | 44.6                                                                                    | 255.4                                                                                 | 28,100                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 36.0                                                                                  | 237.0                                                                                | 23,800                                                                               | 38.6                                                                                  | 242.7                                                                                | 28,200                                                                               | 42.1                                                                                    | 250.0                                                                                 | 26,700                                                                                 |                                                                                        | 150                                                                                    |
| 155 | 33.0                                                                                  | 229.6                                                                                | 22,700                                                                               | 35.8                                                                                  | 236.0                                                                                | 26,800                                                                               | 39.5                                                                                    | 244.2                                                                                 | 25,400                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 29.8                                                                                  | 221.3                                                                                | 21,700                                                                               | 32.7                                                                                  | 228.6                                                                                | 25,500                                                                               | 36.8                                                                                    | 237.7                                                                                 | 24,200                                                                                 |                                                                                        | 160                                                                                    |
| 165 | 26.1                                                                                  | 211.7                                                                                | 20,800                                                                               | 29.4                                                                                  | 220.1                                                                                | 24,300                                                                               | 33.8                                                                                    | 230.5                                                                                 | 23,000                                                                                 |                                                                                        | 165                                                                                    |
| 166 | 25.0                                                                                  | 209.4                                                                                | 20,700                                                                               | 28.2                                                                                  | 218.2                                                                                | 24,100                                                                               | 32.4                                                                                    | 228.9                                                                                 | 22,800                                                                                 |                                                                                        | 166                                                                                    |
| 170 | 21.9                                                                                  | 200.2                                                                                | 20,200                                                                               | 25.7                                                                                  | 210.4                                                                                | 23,200                                                                               | 30.6                                                                                    | 222.5                                                                                 | 22,000                                                                                 |                                                                                        | 170                                                                                    |
| 175 | 16.7                                                                                  | 185.6                                                                                | 19,800                                                                               | 21.5                                                                                  | 198.7                                                                                | 22,200                                                                               | 27.1                                                                                    | 213.2                                                                                 | 21,000                                                                                 |                                                                                        | 175                                                                                    |
| 180 | 8.8                                                                                   | 162.6                                                                                | 18,400                                                                               | 16.1                                                                                  | 183.6                                                                                | 21,200                                                                               | 23.1                                                                                    | 202.3                                                                                 | 20,000                                                                                 |                                                                                        | 180                                                                                    |
| 181 | 6.0                                                                                   | 154.4                                                                                | 17,400                                                                               | 14.2                                                                                  | 178.7                                                                                | 20,600                                                                               | 22.0                                                                                    | 199.6                                                                                 | 19,800                                                                                 |                                                                                        | 181                                                                                    |
| 185 |                                                                                       |                                                                                      |                                                                                      | 7.6                                                                                   | 158.8                                                                                | 18,500                                                                               | 18.2                                                                                    | 188.7                                                                                 | 19,100                                                                                 |                                                                                        | 185                                                                                    |
| 186 |                                                                                       |                                                                                      |                                                                                      | 3.9                                                                                   | 148.1                                                                                | 17,300                                                                               | 16.6                                                                                    | 184.8                                                                                 | 18,900                                                                                 |                                                                                        | 186                                                                                    |
| 190 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 11.4                                                                                    | 169.2                                                                                 | 18,200                                                                                 |                                                                                        | 190                                                                                    |
| 193 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 2.2                                                                                     | 142.2                                                                                 | 17,600                                                                                 |                                                                                        | 193                                                                                    |
| 195 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 195                                                                                    |
| 199 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 199                                                                                    |
| 200 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 200                                                                                    |
| 205 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 205                                                                                    |
| 210 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 210                                                                                    |
| 215 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 215                                                                                    |
| 220 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 220                                                                                    |
| 221 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 221                                                                                    |
| 225 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 225                                                                                    |
| 230 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 230                                                                                    |
| 231 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                       |                                                                                        |                                                                                        | 231                                                                                    |





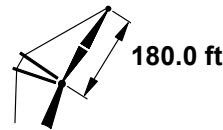
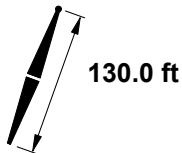
184,600 lb  
+  
44,000 lb

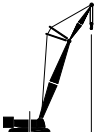
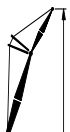
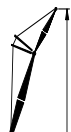


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 67.9 | 292.8 | 48,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 66.0 | 290.7 | 45,000 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.2 | 288.3 | 42,100 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 62.3 | 285.7 | 39,500 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 60.4 | 282.9 | 37,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 58.4 | 279.9 | 35,000 | 62.7 | 283.6 | 31,800 |      |       |        |      |       |        | 120 |
| 125 | 56.4 | 276.7 | 33,000 | 60.8 | 280.9 | 30,000 |      |       |        |      |       |        | 125 |
| 130 | 54.3 | 273.2 | 31,200 | 58.8 | 277.9 | 28,300 |      |       |        |      |       |        | 130 |
| 135 | 52.2 | 269.4 | 29,500 | 56.8 | 274.7 | 26,700 |      |       |        |      |       |        | 135 |
| 140 | 50.0 | 265.3 | 28,000 | 54.8 | 271.3 | 25,300 |      |       |        |      |       |        | 140 |
| 143 | 48.2 | 262.6 | 27,100 | 52.8 | 269.0 | 24,500 | 57.9 | 272.9 | 22,000 |      |       |        | 143 |
| 145 | 47.8 | 260.8 | 26,500 | 52.6 | 267.5 | 24,000 | 57.1 | 271.6 | 21,500 |      |       |        | 145 |
| 150 | 45.4 | 256.0 | 25,200 | 50.5 | 263.5 | 22,700 | 55.1 | 268.2 | 20,300 |      |       |        | 150 |
| 155 | 43.0 | 250.8 | 24,000 | 48.2 | 259.1 | 21,600 | 53.0 | 264.5 | 19,300 |      |       |        | 155 |
| 160 | 40.5 | 245.1 | 22,800 | 45.9 | 254.4 | 20,500 | 50.8 | 260.5 | 18,300 |      |       |        | 160 |
| 165 | 37.8 | 238.9 | 21,700 | 43.5 | 249.3 | 19,500 | 48.6 | 256.2 | 17,300 |      |       |        | 165 |
| 166 | 36.4 | 237.5 | 21,500 | 42.4 | 248.2 | 19,300 | 47.6 | 255.3 | 17,200 | 52.7 | 259.5 | 15,100 | 166 |
| 170 | 34.9 | 232.0 | 20,700 | 41.0 | 243.7 | 18,500 | 46.3 | 251.6 | 16,500 | 51.0 | 256.3 | 14,400 | 170 |
| 175 | 31.8 | 224.2 | 19,700 | 38.3 | 237.6 | 17,600 | 43.9 | 246.5 | 15,600 | 48.8 | 252.1 | 13,700 | 175 |
| 180 | 28.4 | 215.4 | 18,800 | 35.5 | 230.8 | 16,800 | 41.4 | 241.0 | 14,800 | 46.5 | 247.4 | 12,900 | 180 |
| 181 | 27.2 | 213.4 | 18,600 | 34.4 | 229.3 | 16,600 | 40.4 | 239.8 | 14,700 | 45.6 | 246.4 | 12,800 | 181 |
| 185 | 24.5 | 205.2 | 17,900 | 32.4 | 223.3 | 16,000 | 38.7 | 234.9 | 14,100 | 44.1 | 242.4 | 12,200 | 185 |
| 186 | 23.0 | 202.7 | 17,800 | 31.4 | 221.5 | 15,800 | 37.4 | 233.6 | 14,000 | 43.4 | 241.3 | 12,100 | 186 |
| 190 | 20.0 | 192.7 | 17,100 | 29.1 | 214.7 | 15,200 | 35.9 | 228.3 | 13,400 | 41.6 | 236.9 | 11,600 | 190 |
| 193 | 16.0 | 182.6 | 16,600 | 26.6 | 208.8 | 14,800 | 33.2 | 223.8 | 13,000 | 39.2 | 233.3 | 11,200 | 193 |
| 195 | 14.1 | 175.9 | 16,300 | 25.4 | 204.8 | 14,500 | 32.9 | 220.9 | 12,700 | 39.0 | 230.9 | 11,000 | 195 |
| 199 | 6.0  | 152.2 | 15,600 | 21.0 | 195.2 | 14,000 | 29.6 | 214.1 | 12,200 | 36.4 | 225.6 | 10,500 | 199 |
| 200 |      |       |        | 21.0 | 192.9 | 13,800 | 29.6 | 212.5 | 12,100 | 36.2 | 224.3 | 10,400 | 200 |
| 205 |      |       |        | 15.5 | 177.3 | 13,100 | 26.0 | 202.8 | 11,500 | 33.2 | 217.0 | 9,800  | 205 |
| 210 |      |       |        | 6.1  | 149.9 | 12,500 | 21.7 | 191.3 | 10,900 | 29.9 | 208.7 | 9,200  | 210 |
| 215 |      |       |        |      |       |        | 16.4 | 176.4 | 10,300 | 26.3 | 199.1 | 8,600  | 215 |
| 220 |      |       |        |      |       |        | 8.3  | 152.7 | 9,800  | 22.1 | 187.8 | 8,100  | 220 |
| 221 |      |       |        |      |       |        | 5.2  | 143.6 | 9,600  | 20.8 | 184.9 | 8,000  | 221 |
| 225 |      |       |        |      |       |        |      |       |        | 16.9 | 173.3 | 7,500  | 225 |
| 230 |      |       |        |      |       |        |      |       |        | 9.2  | 151.0 | 7,000  | 230 |
| 231 |      |       |        |      |       |        |      |       |        | 6.6  | 143.3 | 6,900  | 231 |



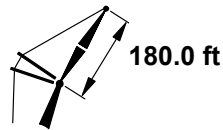
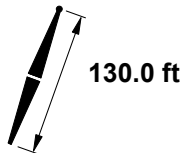
184,600 lb  
+  
44,000 lb



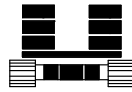
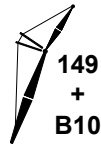
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 57                                                                                | 75.9                                                                                  | 312.3                                                                             | 51,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 74.9                                                                                  | 311.5                                                                             | 51,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 73.2                                                                                  | 310.0                                                                             | 50,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 68                                                                                | 71.8                                                                                  | 309.0                                                                             | 49,900                                                                            | 73.7                                                                                  | 310.1                                                                             | 58,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 68                                                                                  |
| 70                                                                                | 71.5                                                                                  | 308.4                                                                             | 49,600                                                                            | 73.1                                                                                  | 309.5                                                                             | 58,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 69.9                                                                                  | 306.6                                                                             | 48,900                                                                            | 71.4                                                                                  | 307.9                                                                             | 58,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 68.1                                                                                  | 304.6                                                                             | 48,200                                                                            | 69.7                                                                                  | 306.1                                                                             | 57,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 83                                                                                | 66.8                                                                                  | 303.3                                                                             | 47,600                                                                            | 67.8                                                                                  | 304.9                                                                             | 57,100                                                                            | 71.0                                                                                    | 306.7                                                                               | 56,300                                                                              | 83                                                                                  |
| 85                                                                                | 66.4                                                                                  | 302.5                                                                             | 47,200                                                                            | 68.0                                                                                  | 304.1                                                                             | 56,700                                                                            | 70.3                                                                                    | 306.0                                                                               | 56,300                                                                              | 85                                                                                  |
| 90                                                                                | 64.7                                                                                  | 300.2                                                                             | 46,300                                                                            | 66.3                                                                                  | 301.9                                                                             | 54,300                                                                            | 68.6                                                                                    | 304.0                                                                               | 54,100                                                                              | 90                                                                                  |
| 95                                                                                | 62.9                                                                                  | 297.6                                                                             | 43,800                                                                            | 64.5                                                                                  | 299.6                                                                             | 51,900                                                                            | 66.9                                                                                    | 302.0                                                                               | 50,300                                                                              | 95                                                                                  |
| 99                                                                                | 61.2                                                                                  | 295.5                                                                             | 41,900                                                                            | 62.4                                                                                  | 297.6                                                                             | 49,800                                                                            | 65.2                                                                                    | 300.1                                                                               | 47,600                                                                              | 99                                                                                  |
| 100                                                                               | 61.1                                                                                  | 294.9                                                                             | 41,500                                                                            | 62.7                                                                                  | 297.1                                                                             | 49,300                                                                            | 65.1                                                                                    | 299.7                                                                               | 46,900                                                                              | 100                                                                                 |
| 105                                                                               | 59.2                                                                                  | 292.0                                                                             | 39,200                                                                            | 60.9                                                                                  | 294.4                                                                             | 46,100                                                                            | 63.3                                                                                    | 297.2                                                                               | 43,900                                                                              | 105                                                                                 |
| 110                                                                               | 57.3                                                                                  | 288.9                                                                             | 37,100                                                                            | 59.1                                                                                  | 291.4                                                                             | 43,300                                                                            | 61.5                                                                                    | 294.6                                                                               | 41,100                                                                              | 110                                                                                 |
| 115                                                                               | 55.4                                                                                  | 285.5                                                                             | 35,000                                                                            | 57.2                                                                                  | 288.3                                                                             | 40,700                                                                            | 59.7                                                                                    | 291.7                                                                               | 38,700                                                                              | 115                                                                                 |
| 120                                                                               | 53.5                                                                                  | 281.9                                                                             | 33,000                                                                            | 55.2                                                                                  | 284.9                                                                             | 38,400                                                                            | 57.8                                                                                    | 288.6                                                                               | 36,400                                                                              | 120                                                                                 |
| 124                                                                               | 51.4                                                                                  | 278.8                                                                             | 31,600                                                                            | 53.4                                                                                  | 281.9                                                                             | 36,700                                                                            | 55.4                                                                                    | 286.0                                                                               | 34,800                                                                              | 124                                                                                 |
| 125                                                                               | 51.4                                                                                  | 278.0                                                                             | 31,200                                                                            | 53.3                                                                                  | 281.2                                                                             | 36,200                                                                            | 55.9                                                                                    | 285.3                                                                               | 34,400                                                                              | 125                                                                                 |
| 130                                                                               | 49.4                                                                                  | 273.8                                                                             | 29,400                                                                            | 51.2                                                                                  | 277.3                                                                             | 34,300                                                                            | 54.0                                                                                    | 281.8                                                                               | 32,500                                                                              | 130                                                                                 |
| 135                                                                               | 47.2                                                                                  | 269.3                                                                             | 27,800                                                                            | 49.2                                                                                  | 273.0                                                                             | 32,400                                                                            | 52.0                                                                                    | 277.9                                                                               | 30,700                                                                              | 135                                                                                 |
| 140                                                                               | 45.0                                                                                  | 264.4                                                                             | 26,300                                                                            | 47.0                                                                                  | 268.5                                                                             | 30,800                                                                            | 49.9                                                                                    | 273.8                                                                               | 29,100                                                                              | 140                                                                                 |
| 145                                                                               | 42.7                                                                                  | 259.1                                                                             | 24,900                                                                            | 44.8                                                                                  | 263.6                                                                             | 29,200                                                                            | 47.8                                                                                    | 269.4                                                                               | 27,600                                                                              | 145                                                                                 |
| 148                                                                               | 40.8                                                                                  | 255.6                                                                             | 24,200                                                                            | 42.8                                                                                  | 260.4                                                                             | 28,400                                                                            | 45.8                                                                                    | 266.5                                                                               | 26,800                                                                              | 148                                                                                 |
| 150                                                                               | 40.3                                                                                  | 253.3                                                                             | 23,600                                                                            | 42.5                                                                                  | 258.3                                                                             | 27,800                                                                            | 45.6                                                                                    | 264.6                                                                               | 26,200                                                                              | 150                                                                                 |
| 155                                                                               | 37.7                                                                                  | 247.1                                                                             | 22,500                                                                            | 40.0                                                                                  | 252.5                                                                             | 26,400                                                                            | 43.3                                                                                    | 259.4                                                                               | 25,000                                                                              | 155                                                                                 |
| 160                                                                               | 35.0                                                                                  | 240.2                                                                             | 21,400                                                                            | 37.5                                                                                  | 246.1                                                                             | 25,200                                                                            | 40.9                                                                                    | 253.8                                                                               | 23,700                                                                              | 160                                                                                 |
| 165                                                                               | 32.1                                                                                  | 232.5                                                                             | 20,500                                                                            | 34.7                                                                                  | 239.2                                                                             | 24,000                                                                            | 38.4                                                                                    | 247.7                                                                               | 22,600                                                                              | 165                                                                                 |
| 170                                                                               | 28.9                                                                                  | 223.9                                                                             | 19,700                                                                            | 31.8                                                                                  | 231.4                                                                             | 22,900                                                                            | 35.7                                                                                    | 240.9                                                                               | 21,600                                                                              | 170                                                                                 |
| 172                                                                               | 26.8                                                                                  | 219.9                                                                             | 19,400                                                                            | 29.8                                                                                  | 227.9                                                                             | 22,500                                                                            | 33.8                                                                                    | 238.0                                                                               | 21,100                                                                              | 172                                                                                 |
| 175                                                                               | 25.4                                                                                  | 213.9                                                                             | 19,000                                                                            | 28.6                                                                                  | 222.7                                                                             | 21,800                                                                            | 32.9                                                                                    | 233.5                                                                               | 20,500                                                                              | 175                                                                                 |
| 180                                                                               | 21.3                                                                                  | 202.1                                                                             | 18,400                                                                            | 25.0                                                                                  | 212.6                                                                             | 20,800                                                                            | 29.8                                                                                    | 225.1                                                                               | 19,600                                                                              | 180                                                                                 |
| 190                                                                               | 8.5                                                                                   | 163.4                                                                             | 16,100                                                                            | 15.6                                                                                  | 185.0                                                                             | 19,000                                                                            | 22.4                                                                                    | 204.3                                                                               | 17,800                                                                              | 190                                                                                 |
| 191                                                                               | 5.8                                                                                   | 154.9                                                                             | 15,200                                                                            | 13.0                                                                                  | 178.9                                                                             | 18,300                                                                            | 20.9                                                                                    | 200.9                                                                               | 17,700                                                                              | 191                                                                                 |
| 196                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.8                                                                                   | 148.4                                                                             | 15,100                                                                            | 15.4                                                                                    | 183.8                                                                               | 16,900                                                                              | 196                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.0                                                                                    | 170.1                                                                               | 16,200                                                                              | 200                                                                                 |
| 203                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.1                                                                                     | 142.3                                                                               | 15,400                                                                              | 203                                                                                 |
| 209                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 209                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 231                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 231                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 241                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 241                                                                                 |



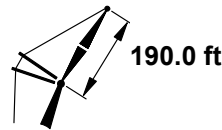
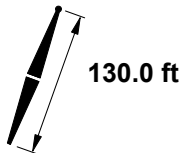
184,600 lb  
+  
44,000 lb

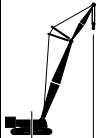
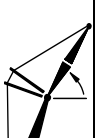
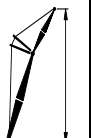
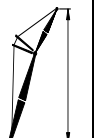
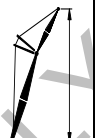
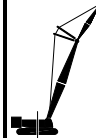


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 83  |      |       |        |      |       |        |      |       |        |      |       |        | 83  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 67.8 | 302.0 | 45,200 |      |       |        |      |       |        |      |       |        | 99  |
| 100 | 67.5 | 301.6 | 44,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.7 | 299.4 | 41,600 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.0 | 297.0 | 39,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.2 | 294.4 | 36,600 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 60.3 | 291.6 | 34,500 |      |       |        |      |       |        |      |       |        | 120 |
| 124 | 58.4 | 289.2 | 32,900 | 62.9 | 292.8 | 29,800 |      |       |        |      |       |        | 124 |
| 125 | 58.5 | 288.6 | 32,500 | 62.5 | 292.3 | 29,400 |      |       |        |      |       |        | 125 |
| 130 | 56.6 | 285.4 | 30,700 | 60.7 | 289.5 | 27,800 |      |       |        |      |       |        | 130 |
| 135 | 54.6 | 281.9 | 29,000 | 58.9 | 286.6 | 26,200 |      |       |        |      |       |        | 135 |
| 140 | 52.7 | 278.1 | 27,500 | 57.0 | 283.4 | 24,800 |      |       |        |      |       |        | 140 |
| 145 | 50.6 | 274.1 | 26,100 | 55.1 | 280.0 | 23,500 |      |       |        |      |       |        | 145 |
| 148 | 48.8 | 271.5 | 25,300 | 53.8 | 277.8 | 22,700 | 58.0 | 281.6 | 20,200 |      |       |        | 148 |
| 150 | 48.5 | 269.8 | 24,700 | 53.1 | 276.3 | 22,200 | 57.3 | 280.3 | 19,800 |      |       |        | 150 |
| 155 | 46.3 | 265.1 | 23,500 | 51.0 | 272.3 | 21,100 | 55.3 | 276.9 | 18,700 |      |       |        | 155 |
| 160 | 44.1 | 260.1 | 22,300 | 49.0 | 268.1 | 20,000 | 53.4 | 273.3 | 17,700 |      |       |        | 160 |
| 165 | 41.7 | 254.6 | 21,200 | 46.8 | 263.5 | 19,000 | 51.4 | 269.4 | 16,800 |      |       |        | 165 |
| 170 | 39.3 | 248.7 | 20,200 | 44.6 | 258.5 | 18,000 | 49.3 | 265.1 | 15,900 |      |       |        | 170 |
| 172 | 37.8 | 246.1 | 19,800 | 43.2 | 256.4 | 17,700 | 48.2 | 263.3 | 15,600 | 52.7 | 267.5 | 13,500 | 172 |
| 175 | 36.6 | 242.2 | 19,300 | 42.2 | 253.2 | 17,200 | 47.1 | 260.6 | 15,100 | 51.5 | 265.2 | 13,100 | 175 |
| 180 | 33.9 | 235.0 | 18,400 | 39.8 | 247.3 | 16,300 | 44.9 | 255.7 | 14,300 | 49.4 | 261.0 | 12,400 | 180 |
| 190 | 27.5 | 217.9 | 16,700 | 34.4 | 233.9 | 14,800 | 40.2 | 244.6 | 12,900 | 45.1 | 251.6 | 10,900 | 190 |
| 191 | 26.2 | 215.5 | 16,500 | 33.4 | 232.2 | 14,600 | 39.4 | 243.3 | 12,800 | 44.5 | 250.5 | 10,800 | 191 |
| 196 | 22.2 | 203.8 | 15,800 | 30.4 | 223.9 | 13,900 | 36.4 | 236.7 | 12,100 | 42.0 | 245.0 | 10,100 | 196 |
| 200 | 19.4 | 194.4 | 15,200 | 28.2 | 217.2 | 13,400 | 34.9 | 231.4 | 11,600 | 40.4 | 240.6 | 9,600  | 200 |
| 203 | 14.3 | 180.5 | 14,700 | 25.6 | 210.4 | 13,000 | 32.2 | 226.5 | 11,200 | 38.5 | 236.7 | 9,300  | 203 |
| 209 | 5.8  | 152.7 | 13,900 | 20.8 | 196.9 | 12,200 | 28.6 | 216.7 | 10,500 | 35.5 | 228.8 | 8,600  | 209 |
| 210 |      |       |        | 20.4 | 194.7 | 12,100 | 28.8 | 215.0 | 10,400 | 35.1 | 227.5 | 8,400  | 210 |
| 220 |      |       |        | 5.9  | 150.4 | 10,900 | 21.1 | 193.1 | 9,400  | 29.0 | 211.3 | 7,400  | 220 |
| 230 |      |       |        |      |       |        | 8.0  | 153.4 | 8,200  | 21.4 | 189.6 | 6,300  | 230 |
| 231 |      |       |        |      |       |        | 5.0  | 144.0 | 8,100  | 19.7 | 185.8 | 6,200  | 231 |
| 240 |      |       |        |      |       |        |      |       |        | 8.9  | 151.7 | 5,300  | 240 |
| 241 |      |       |        |      |       |        |      |       |        | 6.4  | 143.9 | 5,200  | 241 |



184,600 lb  
+  
44,000 lb



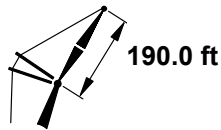
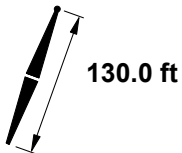
|     |  88° |                                                                                     |                                                                                      |  86° |                                                                                     |                                                                                      |  83° |                                                                                      |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ° |  ft |  lb  |  ° |  ft |  lb    |  ° |  ft |  lb |  ft |
| 59  | 76.0                                                                                  | 322.1                                                                               | 46,800                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 59                                                                                     |
| 60  | 75.7                                                                                  | 321.8                                                                               | 46,800                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 60                                                                                     |
| 65  | 74.1                                                                                  | 320.4                                                                               | 46,300                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 65                                                                                     |
| 70  | 72.6                                                                                  | 318.9                                                                               | 45,700                                                                               | 74.0                                                                                  | 320.0                                                                               | 53,000                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 70                                                                                     |
| 75  | 71.0                                                                                  | 317.2                                                                               | 45,100                                                                               | 72.4                                                                                  | 318.4                                                                               | 52,700                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 75                                                                                     |
| 80  | 69.4                                                                                  | 315.4                                                                               | 44,500                                                                               | 70.8                                                                                  | 316.7                                                                               | 52,400                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 80                                                                                     |
| 85  | 67.7                                                                                  | 313.4                                                                               | 43,900                                                                               | 69.2                                                                                  | 314.9                                                                               | 52,100                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 85                                                                                     |
| 87  | 66.6                                                                                  | 312.5                                                                               | 43,500                                                                               | 68.2                                                                                  | 314.1                                                                               | 51,900                                                                               | 70.7                                                                                    | 315.9                                                                                | 50,800                                                                                 |                                                                                        | 87                                                                                     |
| 90  | 66.1                                                                                  | 311.2                                                                               | 43,000                                                                               | 67.6                                                                                  | 312.8                                                                               | 51,500                                                                               | 69.8                                                                                    | 314.8                                                                                | 50,800                                                                                 |                                                                                        | 90                                                                                     |
| 95  | 64.4                                                                                  | 308.8                                                                               | 42,100                                                                               | 65.9                                                                                  | 310.7                                                                               | 49,500                                                                               | 68.2                                                                                    | 312.8                                                                                | 50,100                                                                                 |                                                                                        | 95                                                                                     |
| 100 | 62.7                                                                                  | 306.3                                                                               | 40,000                                                                               | 64.3                                                                                  | 308.3                                                                               | 47,400                                                                               | 66.5                                                                                    | 310.7                                                                                | 46,700                                                                                 |                                                                                        | 100                                                                                    |
| 103 | 61.4                                                                                  | 304.7                                                                               | 38,800                                                                               | 62.8                                                                                  | 306.8                                                                               | 46,100                                                                               | 64.8                                                                                    | 309.3                                                                                | 44,900                                                                                 |                                                                                        | 103                                                                                    |
| 105 | 61.0                                                                                  | 303.6                                                                               | 38,000                                                                               | 62.6                                                                                  | 305.7                                                                               | 45,300                                                                               | 64.9                                                                                    | 308.4                                                                                | 43,700                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 59.3                                                                                  | 300.7                                                                               | 36,000                                                                               | 60.9                                                                                  | 303.0                                                                               | 43,100                                                                               | 63.2                                                                                    | 305.9                                                                                | 40,900                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 57.5                                                                                  | 297.6                                                                               | 34,100                                                                               | 59.1                                                                                  | 300.1                                                                               | 40,500                                                                               | 61.5                                                                                    | 303.2                                                                                | 38,400                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 55.7                                                                                  | 294.2                                                                               | 32,400                                                                               | 57.3                                                                                  | 296.9                                                                               | 38,200                                                                               | 59.7                                                                                    | 300.4                                                                                | 36,200                                                                                 |                                                                                        | 120                                                                                    |
| 125 | 53.8                                                                                  | 290.6                                                                               | 30,700                                                                               | 55.5                                                                                  | 293.6                                                                               | 36,000                                                                               | 58.0                                                                                    | 297.3                                                                                | 34,100                                                                                 |                                                                                        | 125                                                                                    |
| 129 | 51.4                                                                                  | 287.5                                                                               | 29,400                                                                               | 53.4                                                                                  | 290.7                                                                               | 34,400                                                                               | 56.2                                                                                    | 294.7                                                                                | 32,600                                                                                 |                                                                                        | 129                                                                                    |
| 130 | 51.9                                                                                  | 286.8                                                                               | 29,100                                                                               | 53.6                                                                                  | 290.0                                                                               | 34,000                                                                               | 56.1                                                                                    | 294.0                                                                                | 32,200                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 50.0                                                                                  | 282.7                                                                               | 27,600                                                                               | 51.7                                                                                  | 286.1                                                                               | 32,200                                                                               | 54.3                                                                                    | 290.5                                                                                | 30,500                                                                                 |                                                                                        | 135                                                                                    |
| 140 | 48.0                                                                                  | 278.3                                                                               | 26,000                                                                               | 49.8                                                                                  | 281.9                                                                               | 30,600                                                                               | 52.4                                                                                    | 286.7                                                                                | 28,900                                                                                 |                                                                                        | 140                                                                                    |
| 145 | 45.9                                                                                  | 273.5                                                                               | 24,700                                                                               | 47.8                                                                                  | 277.5                                                                               | 29,000                                                                               | 50.5                                                                                    | 282.7                                                                                | 27,400                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 43.7                                                                                  | 268.4                                                                               | 23,400                                                                               | 45.7                                                                                  | 272.7                                                                               | 27,600                                                                               | 48.5                                                                                    | 278.3                                                                                | 26,000                                                                                 |                                                                                        | 150                                                                                    |
| 154 | 41.4                                                                                  | 264.0                                                                               | 22,500                                                                               | 43.4                                                                                  | 268.6                                                                               | 26,500                                                                               | 46.4                                                                                    | 274.6                                                                                | 25,000                                                                                 |                                                                                        | 154                                                                                    |
| 155 | 41.5                                                                                  | 262.9                                                                               | 22,300                                                                               | 43.5                                                                                  | 267.6                                                                               | 26,200                                                                               | 46.4                                                                                    | 273.7                                                                                | 24,700                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 39.1                                                                                  | 256.9                                                                               | 21,200                                                                               | 41.3                                                                                  | 262.0                                                                               | 25,000                                                                               | 44.3                                                                                    | 268.7                                                                                | 23,500                                                                                 |                                                                                        | 160                                                                                    |
| 165 | 36.7                                                                                  | 250.4                                                                               | 20,300                                                                               | 38.9                                                                                  | 256.0                                                                               | 23,800                                                                               | 42.1                                                                                    | 263.3                                                                                | 22,400                                                                                 |                                                                                        | 165                                                                                    |
| 170 | 34.0                                                                                  | 243.2                                                                               | 19,400                                                                               | 36.4                                                                                  | 249.4                                                                               | 22,700                                                                               | 39.7                                                                                    | 257.4                                                                                | 21,400                                                                                 |                                                                                        | 170                                                                                    |
| 175 | 31.2                                                                                  | 235.3                                                                               | 18,600                                                                               | 33.8                                                                                  | 242.2                                                                               | 21,600                                                                               | 37.3                                                                                    | 251.1                                                                                | 20,400                                                                                 |                                                                                        | 175                                                                                    |
| 178 | 29.2                                                                                  | 229.9                                                                               | 18,200                                                                               | 31.2                                                                                  | 237.4                                                                               | 21,100                                                                               | 35.2                                                                                    | 246.9                                                                                | 19,800                                                                                 |                                                                                        | 178                                                                                    |
| 180 | 28.1                                                                                  | 226.4                                                                               | 17,900                                                                               | 30.9                                                                                  | 234.2                                                                               | 20,700                                                                               | 34.7                                                                                    | 244.1                                                                                | 19,400                                                                                 |                                                                                        | 180                                                                                    |
| 185 | 24.7                                                                                  | 216.1                                                                               | 17,300                                                                               | 27.8                                                                                  | 225.2                                                                               | 19,700                                                                               | 31.9                                                                                    | 236.4                                                                                | 18,500                                                                                 |                                                                                        | 185                                                                                    |
| 190 | 20.7                                                                                  | 203.9                                                                               | 16,800                                                                               | 24.3                                                                                  | 214.7                                                                               | 18,800                                                                               | 28.9                                                                                    | 227.7                                                                                | 17,700                                                                                 |                                                                                        | 190                                                                                    |
| 195 | 15.8                                                                                  | 188.4                                                                               | 16,500                                                                               | 20.3                                                                                  | 202.3                                                                               | 18,000                                                                               | 25.6                                                                                    | 217.8                                                                                | 16,900                                                                                 |                                                                                        | 195                                                                                    |
| 200 | 8.3                                                                                   | 164.0                                                                               | 14,200                                                                               | 15.2                                                                                  | 186.3                                                                               | 17,200                                                                               | 21.8                                                                                    | 206.2                                                                                | 16,100                                                                                 |                                                                                        | 200                                                                                    |
| 201 | 5.6                                                                                   | 155.3                                                                               | 13,300                                                                               | 13.0                                                                                  | 180.0                                                                               | 16,500                                                                               | 19.9                                                                                    | 202.7                                                                                | 16,000                                                                                 |                                                                                        | 201                                                                                    |
| 206 |                                                                                       |                                                                                     |                                                                                      | 3.7                                                                                   | 148.7                                                                               | 13,200                                                                               | 14.4                                                                                    | 185.1                                                                                | 15,200                                                                                 |                                                                                        | 206                                                                                    |
| 210 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 10.7                                                                                    | 171.0                                                                                | 14,600                                                                                 |                                                                                        | 210                                                                                    |
| 213 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 2.1                                                                                     | 142.5                                                                                | 13,500                                                                                 |                                                                                        | 213                                                                                    |
| 219 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 219                                                                                    |
| 220 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 220                                                                                    |
| 230 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 230                                                                                    |
| 240 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 240                                                                                    |
| 241 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 241                                                                                    |

# MLC250 S-2

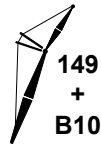
ASME B30.5



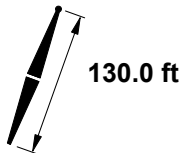
184,600 lb  
+  
44,000 lb



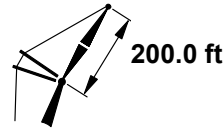
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 87  |      |       |        |      |       |        |      |       |        |      |       |        | 87  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 67.7 | 311.2 | 42,500 |      |       |        |      |       |        |      |       |        | 103 |
| 105 | 67.1 | 310.3 | 41,400 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 65.4 | 308.1 | 38,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 63.7 | 305.6 | 36,400 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 62.0 | 303.0 | 34,200 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 60.3 | 300.2 | 32,300 |      |       |        |      |       |        |      |       |        | 125 |
| 129 | 58.4 | 297.8 | 30,800 | 62.7 | 301.5 | 27,800 |      |       |        |      |       |        | 129 |
| 130 | 58.6 | 297.3 | 30,500 | 62.4 | 301.0 | 27,500 |      |       |        |      |       |        | 130 |
| 135 | 56.8 | 294.0 | 28,800 | 60.7 | 298.2 | 26,000 |      |       |        |      |       |        | 135 |
| 140 | 54.9 | 290.6 | 27,300 | 58.9 | 295.2 | 24,600 |      |       |        |      |       |        | 140 |
| 145 | 53.1 | 286.9 | 25,800 | 57.1 | 292.1 | 23,200 |      |       |        |      |       |        | 145 |
| 150 | 51.1 | 283.0 | 24,500 | 55.3 | 288.7 | 22,000 |      |       |        |      |       |        | 150 |
| 154 | 49.4 | 279.6 | 23,500 | 53.4 | 285.8 | 21,100 | 57.8 | 289.6 | 18,700 |      |       |        | 154 |
| 155 | 49.2 | 278.7 | 23,300 | 53.5 | 285.0 | 20,900 | 57.4 | 289.0 | 18,500 |      |       |        | 155 |
| 160 | 47.1 | 274.2 | 22,100 | 51.5 | 281.2 | 19,800 | 55.6 | 285.6 | 17,500 |      |       |        | 160 |
| 165 | 45.0 | 269.3 | 21,000 | 49.6 | 277.0 | 18,800 | 53.7 | 282.0 | 16,600 |      |       |        | 165 |
| 170 | 42.8 | 264.1 | 20,000 | 47.6 | 272.5 | 17,800 | 51.8 | 278.2 | 15,700 |      |       |        | 170 |
| 175 | 40.6 | 258.4 | 19,100 | 45.5 | 267.7 | 16,900 | 49.9 | 274.0 | 14,900 |      |       |        | 175 |
| 178 | 38.8 | 254.6 | 18,500 | 43.8 | 264.6 | 16,400 | 47.8 | 271.4 | 14,400 | 52.8 | 275.5 | 12,300 | 178 |
| 180 | 38.2 | 252.2 | 18,200 | 43.3 | 262.5 | 16,100 | 47.9 | 269.6 | 14,100 | 52.0 | 274.0 | 12,000 | 180 |
| 185 | 35.6 | 245.4 | 17,300 | 41.0 | 256.9 | 15,300 | 45.8 | 264.9 | 13,400 | 50.0 | 269.9 | 11,300 | 185 |
| 190 | 32.9 | 238.0 | 16,500 | 38.7 | 250.8 | 14,600 | 43.6 | 259.7 | 12,700 | 48.0 | 265.5 | 10,600 | 190 |
| 195 | 30.0 | 229.7 | 15,700 | 36.2 | 244.2 | 13,900 | 41.4 | 254.2 | 12,000 | 46.0 | 260.7 | 9,900  | 195 |
| 200 | 26.8 | 220.3 | 15,000 | 33.5 | 236.9 | 13,200 | 39.0 | 248.2 | 11,400 | 43.8 | 255.6 | 9,300  | 200 |
| 201 | 25.2 | 217.8 | 14,900 | 32.4 | 235.2 | 13,100 | 38.4 | 246.8 | 11,300 | 42.6 | 254.5 | 9,200  | 201 |
| 206 | 21.2 | 205.7 | 14,200 | 29.4 | 226.6 | 12,400 | 35.4 | 240.0 | 10,700 | 40.6 | 248.8 | 8,600  | 206 |
| 210 | 18.9 | 196.0 | 13,600 | 27.5 | 219.7 | 11,900 | 33.9 | 234.5 | 10,200 | 39.2 | 244.2 | 8,100  | 210 |
| 213 | 13.7 | 181.7 | 13,200 | 24.6 | 212.7 | 11,600 | 31.2 | 229.4 | 9,900  | 37.5 | 240.1 | 7,800  | 213 |
| 219 | 5.6  | 153.2 | 12,400 | 19.8 | 198.7 | 10,900 | 27.6 | 219.2 | 9,200  | 34.5 | 231.9 | 7,200  | 219 |
| 220 |      |       |        | 19.8 | 196.4 | 10,800 | 28.0 | 217.5 | 9,100  | 34.1 | 230.6 | 7,000  | 220 |
| 230 |      |       |        | 5.7  | 150.9 | 9,600  | 20.5 | 194.9 | 8,000  | 28.2 | 213.8 | 6,100  | 230 |
| 240 |      |       |        |      |       |        | 7.8  | 154.0 | 6,900  | 20.9 | 191.5 | 5,100  | 240 |
| 241 |      |       |        |      |       |        | 4.9  | 144.4 | 6,800  |      |       |        | 241 |



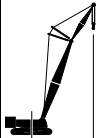
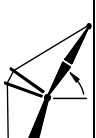
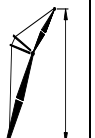
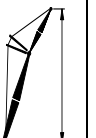
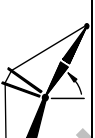
184,600 lb  
+  
44,000 lb



130.0 ft



200.0 ft

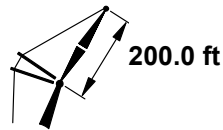
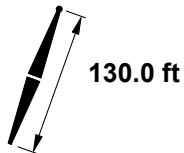
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 62                                                                                | 75.8                                                                                  | 331.6                                                                             | 42,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 62                                                                                  |
| 65                                                                                | 74.9                                                                                  | 330.8                                                                             | 42,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.5                                                                                  | 329.4                                                                             | 42,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 73                                                                                | 71.8                                                                                  | 328.4                                                                             | 41,700                                                                            | 73.9                                                                                  | 329.5                                                                             | 48,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 73                                                                                  |
| 75                                                                                | 71.9                                                                                  | 327.8                                                                             | 41,500                                                                            | 73.3                                                                                  | 328.9                                                                             | 47,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.4                                                                                  | 326.0                                                                             | 40,900                                                                            | 71.8                                                                                  | 327.3                                                                             | 47,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 68.9                                                                                  | 324.2                                                                             | 40,400                                                                            | 70.3                                                                                  | 325.6                                                                             | 47,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 67.4                                                                                  | 322.1                                                                             | 39,700                                                                            | 68.8                                                                                  | 323.6                                                                             | 47,000                                                                            | 70.8                                                                                    | 325.4                                                                               | 45,900                                                                              | 90                                                                                  |
| 95                                                                                | 65.8                                                                                  | 319.9                                                                             | 39,400                                                                            | 67.2                                                                                  | 321.6                                                                             | 46,700                                                                            | 69.3                                                                                    | 323.6                                                                               | 45,800                                                                              | 95                                                                                  |
| 100                                                                               | 64.2                                                                                  | 317.5                                                                             | 38,500                                                                            | 65.6                                                                                  | 319.4                                                                             | 45,100                                                                            | 67.8                                                                                    | 321.6                                                                               | 45,600                                                                              | 100                                                                                 |
| 105                                                                               | 62.6                                                                                  | 315.0                                                                             | 36,700                                                                            | 64.1                                                                                  | 317.0                                                                             | 43,300                                                                            | 66.2                                                                                    | 319.4                                                                               | 43,200                                                                              | 105                                                                                 |
| 106                                                                               | 61.6                                                                                  | 314.4                                                                             | 36,400                                                                            | 63.6                                                                                  | 316.5                                                                             | 42,900                                                                            | 65.6                                                                                    | 318.9                                                                               | 42,600                                                                              | 106                                                                                 |
| 110                                                                               | 61.0                                                                                  | 312.3                                                                             | 34,900                                                                            | 62.4                                                                                  | 314.4                                                                             | 41,500                                                                            | 64.6                                                                                    | 317.1                                                                               | 40,500                                                                              | 110                                                                                 |
| 115                                                                               | 59.3                                                                                  | 309.3                                                                             | 33,200                                                                            | 60.8                                                                                  | 311.7                                                                             | 39,600                                                                            | 63.0                                                                                    | 314.6                                                                               | 38,000                                                                              | 115                                                                                 |
| 120                                                                               | 57.6                                                                                  | 306.2                                                                             | 31,500                                                                            | 59.1                                                                                  | 308.7                                                                             | 37,700                                                                            | 61.4                                                                                    | 311.9                                                                               | 35,700                                                                              | 120                                                                                 |
| 125                                                                               | 55.9                                                                                  | 302.9                                                                             | 30,000                                                                            | 57.5                                                                                  | 305.6                                                                             | 35,600                                                                            | 59.7                                                                                    | 309.0                                                                               | 33,700                                                                              | 125                                                                                 |
| 130                                                                               | 54.1                                                                                  | 299.4                                                                             | 28,500                                                                            | 55.7                                                                                  | 302.3                                                                             | 33,600                                                                            | 58.1                                                                                    | 306.0                                                                               | 31,800                                                                              | 130                                                                                 |
| 133                                                                               | 52.8                                                                                  | 297.1                                                                             | 27,600                                                                            | 53.8                                                                                  | 300.1                                                                             | 32,500                                                                            | 56.8                                                                                    | 304.0                                                                               | 30,800                                                                              | 133                                                                                 |
| 135                                                                               | 52.3                                                                                  | 295.6                                                                             | 27,100                                                                            | 54.0                                                                                  | 298.7                                                                             | 31,800                                                                            | 56.3                                                                                    | 302.7                                                                               | 30,100                                                                              | 135                                                                                 |
| 140                                                                               | 50.5                                                                                  | 291.5                                                                             | 25,700                                                                            | 52.2                                                                                  | 294.9                                                                             | 30,200                                                                            | 54.6                                                                                    | 299.2                                                                               | 28,500                                                                              | 140                                                                                 |
| 145                                                                               | 48.6                                                                                  | 287.2                                                                             | 24,400                                                                            | 50.3                                                                                  | 290.8                                                                             | 28,600                                                                            | 52.8                                                                                    | 295.5                                                                               | 27,000                                                                              | 145                                                                                 |
| 150                                                                               | 46.7                                                                                  | 282.6                                                                             | 23,100                                                                            | 48.4                                                                                  | 286.5                                                                             | 27,200                                                                            | 51.0                                                                                    | 291.5                                                                               | 25,600                                                                              | 150                                                                                 |
| 155                                                                               | 44.6                                                                                  | 277.6                                                                             | 22,000                                                                            | 46.5                                                                                  | 281.8                                                                             | 25,800                                                                            | 49.1                                                                                    | 287.3                                                                               | 24,300                                                                              | 155                                                                                 |
| 159                                                                               | 42.4                                                                                  | 273.4                                                                             | 21,200                                                                            | 44.4                                                                                  | 277.8                                                                             | 24,800                                                                            | 47.4                                                                                    | 283.6                                                                               | 23,400                                                                              | 159                                                                                 |
| 160                                                                               | 42.6                                                                                  | 272.3                                                                             | 21,000                                                                            | 44.5                                                                                  | 276.8                                                                             | 24,600                                                                            | 47.2                                                                                    | 282.7                                                                               | 23,100                                                                              | 160                                                                                 |
| 165                                                                               | 40.4                                                                                  | 266.6                                                                             | 20,000                                                                            | 42.4                                                                                  | 271.5                                                                             | 23,400                                                                            | 45.2                                                                                    | 277.9                                                                               | 22,000                                                                              | 165                                                                                 |
| 170                                                                               | 38.1                                                                                  | 260.4                                                                             | 19,100                                                                            | 40.2                                                                                  | 265.7                                                                             | 22,300                                                                            | 43.1                                                                                    | 272.6                                                                               | 20,900                                                                              | 170                                                                                 |
| 175                                                                               | 35.7                                                                                  | 253.6                                                                             | 18,200                                                                            | 37.9                                                                                  | 259.5                                                                             | 21,300                                                                            | 40.9                                                                                    | 267.0                                                                               | 19,900                                                                              | 175                                                                                 |
| 180                                                                               | 33.1                                                                                  | 246.2                                                                             | 17,500                                                                            | 35.4                                                                                  | 252.6                                                                             | 20,300                                                                            | 38.7                                                                                    | 260.9                                                                               | 19,000                                                                              | 180                                                                                 |
| 184                                                                               | 30.6                                                                                  | 239.7                                                                             | 17,000                                                                            | 32.6                                                                                  | 246.7                                                                             | 19,500                                                                            | 36.4                                                                                    | 255.7                                                                               | 18,300                                                                              | 184                                                                                 |
| 185                                                                               | 30.4                                                                                  | 238.0                                                                             | 16,900                                                                            | 32.9                                                                                  | 245.2                                                                             | 19,400                                                                            | 36.3                                                                                    | 254.3                                                                               | 18,100                                                                              | 185                                                                                 |
| 190                                                                               | 27.4                                                                                  | 228.8                                                                             | 16,200                                                                            | 30.1                                                                                  | 236.9                                                                             | 18,500                                                                            | 33.8                                                                                    | 247.1                                                                               | 17,300                                                                              | 190                                                                                 |
| 195                                                                               | 24.0                                                                                  | 218.2                                                                             | 15,800                                                                            | 27.1                                                                                  | 227.6                                                                             | 17,600                                                                            | 31.1                                                                                    | 239.1                                                                               | 16,500                                                                              | 195                                                                                 |
| 200                                                                               | 20.1                                                                                  | 205.7                                                                             | 15,300                                                                            | 23.7                                                                                  | 216.8                                                                             | 16,800                                                                            | 28.2                                                                                    | 230.2                                                                               | 15,700                                                                              | 200                                                                                 |
| 210                                                                               | 8.0                                                                                   | 164.7                                                                             | 12,100                                                                            | 14.8                                                                                  | 187.6                                                                             | 14,900                                                                            | 21.2                                                                                    | 208.1                                                                               | 14,300                                                                              | 210                                                                                 |
| 211                                                                               | 5.5                                                                                   | 155.8                                                                             | 11,400                                                                            | 12.2                                                                                  | 181.1                                                                             | 14,300                                                                            | 19.9                                                                                    | 204.5                                                                               | 14,200                                                                              | 211                                                                                 |
| 216                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.6                                                                                   | 149.0                                                                             | 11,300                                                                            | 14.4                                                                                    | 186.4                                                                               | 13,500                                                                              | 216                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.4                                                                                    | 171.9                                                                               | 13,000                                                                              | 220                                                                                 |
| 223                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.0                                                                                     | 142.6                                                                               | 11,600                                                                              | 223                                                                                 |
| 229                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 229                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 251                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 251                                                                                 |

# MLC250 S-2

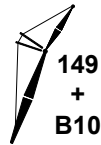
ASME B30.5



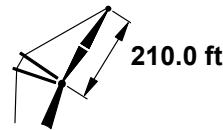
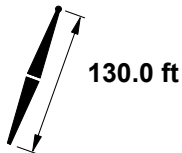
184,600 lb  
+  
44,000 lb

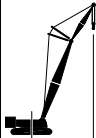
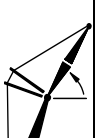
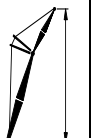
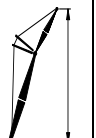
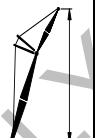
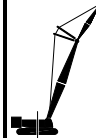


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |        | 105 |
| 106 | 68.0 | 320.7 | 40,300 |      |       |        |      |       |        |      |       |        | 106 |
| 110 | 66.7 | 319.0 | 38,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 65.2 | 316.8 | 35,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 63.6 | 314.3 | 33,800 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 61.9 | 311.7 | 31,800 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 60.3 | 308.9 | 30,000 |      |       |        |      |       |        |      |       |        | 130 |
| 133 | 58.8 | 307.1 | 29,000 | 62.9 | 310.7 | 26,000 |      |       |        |      |       |        | 133 |
| 135 | 58.6 | 305.9 | 28,300 | 62.3 | 309.6 | 25,400 |      |       |        |      |       |        | 135 |
| 140 | 56.9 | 302.7 | 26,800 | 60.6 | 306.9 | 24,000 |      |       |        |      |       |        | 140 |
| 145 | 55.2 | 299.3 | 25,400 | 59.0 | 303.9 | 22,700 |      |       |        |      |       |        | 145 |
| 150 | 53.4 | 295.7 | 24,000 | 57.3 | 300.8 | 21,500 |      |       |        |      |       |        | 150 |
| 155 | 51.6 | 291.8 | 22,800 | 55.6 | 297.4 | 20,300 |      |       |        |      |       |        | 155 |
| 159 | 49.4 | 288.5 | 21,900 | 53.4 | 294.5 | 19,500 | 57.9 | 298.3 | 17,100 |      |       |        | 159 |
| 160 | 49.8 | 287.6 | 21,700 | 53.8 | 293.8 | 19,300 | 57.5 | 297.6 | 16,900 |      |       |        | 160 |
| 165 | 47.8 | 283.2 | 20,600 | 52.0 | 290.0 | 18,300 | 55.8 | 294.3 | 16,000 |      |       |        | 165 |
| 170 | 45.9 | 278.4 | 19,600 | 50.1 | 285.9 | 17,300 | 54.1 | 290.8 | 15,100 |      |       |        | 170 |
| 175 | 43.8 | 273.4 | 18,600 | 48.2 | 281.5 | 16,500 | 52.3 | 287.0 | 14,300 |      |       |        | 175 |
| 180 | 41.7 | 267.9 | 17,700 | 46.3 | 276.8 | 15,600 | 50.4 | 282.9 | 13,600 |      |       |        | 180 |
| 184 | 39.4 | 263.1 | 17,000 | 44.4 | 272.8 | 15,000 | 48.4 | 279.4 | 13,000 | 52.8 | 283.5 | 10,600 | 184 |
| 185 | 39.5 | 262.0 | 16,900 | 44.2 | 271.8 | 14,800 | 48.5 | 278.6 | 12,800 | 52.4 | 282.8 | 10,500 | 185 |
| 190 | 37.1 | 255.5 | 16,100 | 42.1 | 266.4 | 14,100 | 46.6 | 273.9 | 12,200 | 50.6 | 278.7 | 9,800  | 190 |
| 195 | 34.7 | 248.5 | 15,300 | 39.9 | 260.6 | 13,400 | 44.6 | 269.0 | 11,500 | 48.7 | 274.4 | 9,100  | 195 |
| 200 | 32.1 | 240.8 | 14,600 | 37.6 | 254.3 | 12,700 | 42.5 | 263.6 | 10,800 | 46.7 | 269.8 | 8,500  | 200 |
| 210 | 26.1 | 222.6 | 13,200 | 32.6 | 239.9 | 11,500 | 38.0 | 251.7 | 9,600  | 42.6 | 259.6 | 7,400  | 210 |
| 211 | 25.2 | 220.1 | 13,100 | 31.4 | 238.1 | 11,400 | 36.6 | 250.2 | 9,500  | 41.6 | 258.4 | 7,200  | 211 |
| 216 | 21.2 | 207.6 | 12,500 | 28.4 | 229.2 | 10,800 | 34.6 | 243.1 | 8,900  | 39.6 | 252.4 | 6,700  | 216 |
| 220 | 18.4 | 197.6 | 12,000 | 26.8 | 222.0 | 10,300 | 33.0 | 237.4 | 8,400  | 38.2 | 247.7 | 6,300  | 220 |
| 223 | 13.7 | 183.0 | 11,600 | 23.9 | 214.8 | 10,000 | 31.2 | 232.2 | 8,100  | 36.5 | 243.4 | 6,000  | 223 |
| 229 | 5.5  | 153.6 | 10,900 | 19.7 | 200.5 | 9,400  | 27.6 | 221.7 | 7,400  | 33.5 | 235.0 | 5,400  | 229 |
| 230 |      |       |        | 19.3 | 198.1 | 9,300  | 27.2 | 219.9 | 7,300  | 33.2 | 233.5 | 5,300  | 230 |
| 240 |      |       |        | 5.6  | 151.3 | 8,200  | 20.0 | 196.6 | 6,300  |      |       |        | 240 |
| 250 |      |       |        |      |       |        | 7.6  | 154.7 | 5,400  |      |       |        | 250 |
| 251 |      |       |        |      |       |        | 4.7  | 144.8 | 5,200  |      |       |        | 251 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 64                                                                                | 76.0                                                                                  | 341.4                                                                             | 38,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 64                                                                                  |
| 65                                                                                | 75.7                                                                                  | 341.2                                                                             | 38,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.3                                                                                  | 339.8                                                                             | 38,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 72.8                                                                                  | 338.3                                                                             | 38,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 71.8                                                                                  | 338.0                                                                             | 37,900                                                                            | 73.8                                                                                  | 339.1                                                                             | 43,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 76                                                                                  |
| 80                                                                                | 71.4                                                                                  | 336.6                                                                             | 37,700                                                                            | 72.7                                                                                  | 337.8                                                                             | 43,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 70.0                                                                                  | 334.9                                                                             | 37,300                                                                            | 71.3                                                                                  | 336.2                                                                             | 43,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 68.5                                                                                  | 332.9                                                                             | 36,800                                                                            | 69.8                                                                                  | 334.4                                                                             | 42,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 93                                                                                | 67.4                                                                                  | 331.7                                                                             | 36,500                                                                            | 68.4                                                                                  | 333.2                                                                             | 42,600                                                                            | 70.9                                                                                    | 335.0                                                                               | 41,500                                                                              | 93                                                                                  |
| 95                                                                                | 67.0                                                                                  | 330.8                                                                             | 36,300                                                                            | 68.4                                                                                  | 332.4                                                                             | 42,400                                                                            | 70.3                                                                                    | 334.2                                                                               | 41,500                                                                              | 95                                                                                  |
| 100                                                                               | 65.5                                                                                  | 328.6                                                                             | 35,700                                                                            | 66.9                                                                                  | 330.3                                                                             | 42,100                                                                            | 68.9                                                                                    | 332.4                                                                               | 41,300                                                                              | 100                                                                                 |
| 105                                                                               | 64.0                                                                                  | 326.2                                                                             | 35,300                                                                            | 65.4                                                                                  | 328.1                                                                             | 41,300                                                                            | 67.4                                                                                    | 330.3                                                                               | 41,100                                                                              | 105                                                                                 |
| 110                                                                               | 62.5                                                                                  | 323.7                                                                             | 33,700                                                                            | 63.9                                                                                  | 325.7                                                                             | 39,700                                                                            | 65.9                                                                                    | 328.1                                                                               | 40,100                                                                              | 110                                                                                 |
| 115                                                                               | 60.9                                                                                  | 320.9                                                                             | 32,200                                                                            | 62.3                                                                                  | 323.1                                                                             | 38,200                                                                            | 64.4                                                                                    | 325.8                                                                               | 37,600                                                                              | 115                                                                                 |
| 120                                                                               | 59.3                                                                                  | 318.0                                                                             | 30,700                                                                            | 60.8                                                                                  | 320.3                                                                             | 36,500                                                                            | 62.9                                                                                    | 323.2                                                                               | 35,400                                                                              | 120                                                                                 |
| 125                                                                               | 57.7                                                                                  | 314.9                                                                             | 29,200                                                                            | 59.2                                                                                  | 317.4                                                                             | 35,000                                                                            | 61.3                                                                                    | 320.6                                                                               | 33,300                                                                              | 125                                                                                 |
| 130                                                                               | 56.1                                                                                  | 311.6                                                                             | 27,800                                                                            | 57.6                                                                                  | 314.3                                                                             | 33,300                                                                            | 59.8                                                                                    | 317.7                                                                               | 31,400                                                                              | 130                                                                                 |
| 135                                                                               | 54.4                                                                                  | 308.1                                                                             | 26,600                                                                            | 55.9                                                                                  | 311.0                                                                             | 31,500                                                                            | 58.2                                                                                    | 314.6                                                                               | 29,700                                                                              | 135                                                                                 |
| 138                                                                               | 52.8                                                                                  | 305.8                                                                             | 25,800                                                                            | 54.4                                                                                  | 308.8                                                                             | 30,500                                                                            | 56.8                                                                                    | 312.7                                                                               | 28,700                                                                              | 138                                                                                 |
| 140                                                                               | 52.7                                                                                  | 304.4                                                                             | 25,300                                                                            | 54.3                                                                                  | 307.4                                                                             | 29,800                                                                            | 56.5                                                                                    | 311.4                                                                               | 28,100                                                                              | 140                                                                                 |
| 145                                                                               | 51.0                                                                                  | 300.4                                                                             | 24,100                                                                            | 52.6                                                                                  | 303.7                                                                             | 28,300                                                                            | 54.9                                                                                    | 307.9                                                                               | 26,600                                                                              | 145                                                                                 |
| 150                                                                               | 49.2                                                                                  | 296.1                                                                             | 22,900                                                                            | 50.8                                                                                  | 299.7                                                                             | 26,800                                                                            | 53.2                                                                                    | 304.3                                                                               | 25,200                                                                              | 150                                                                                 |
| 155                                                                               | 47.4                                                                                  | 291.6                                                                             | 21,700                                                                            | 49.0                                                                                  | 295.4                                                                             | 25,500                                                                            | 51.4                                                                                    | 300.3                                                                               | 24,000                                                                              | 155                                                                                 |
| 160                                                                               | 45.5                                                                                  | 286.8                                                                             | 20,700                                                                            | 47.2                                                                                  | 290.9                                                                             | 24,200                                                                            | 49.7                                                                                    | 296.2                                                                               | 22,800                                                                              | 160                                                                                 |
| 164                                                                               | 43.4                                                                                  | 282.7                                                                             | 20,000                                                                            | 45.4                                                                                  | 287.0                                                                             | 23,300                                                                            | 47.4                                                                                    | 292.6                                                                               | 21,900                                                                              | 164                                                                                 |
| 165                                                                               | 43.5                                                                                  | 281.7                                                                             | 19,800                                                                            | 45.3                                                                                  | 286.0                                                                             | 23,100                                                                            | 47.8                                                                                    | 291.7                                                                               | 21,600                                                                              | 165                                                                                 |
| 170                                                                               | 41.5                                                                                  | 276.1                                                                             | 18,900                                                                            | 43.3                                                                                  | 280.8                                                                             | 22,000                                                                            | 46.0                                                                                    | 287.0                                                                               | 20,600                                                                              | 170                                                                                 |
| 175                                                                               | 39.4                                                                                  | 270.2                                                                             | 18,100                                                                            | 41.3                                                                                  | 275.3                                                                             | 20,900                                                                            | 44.0                                                                                    | 281.9                                                                               | 19,600                                                                              | 175                                                                                 |
| 180                                                                               | 37.1                                                                                  | 263.7                                                                             | 17,300                                                                            | 39.1                                                                                  | 269.3                                                                             | 19,900                                                                            | 42.0                                                                                    | 276.5                                                                               | 18,700                                                                              | 180                                                                                 |
| 185                                                                               | 34.8                                                                                  | 256.8                                                                             | 16,600                                                                            | 36.9                                                                                  | 262.8                                                                             | 19,000                                                                            | 39.9                                                                                    | 270.7                                                                               | 17,800                                                                              | 185                                                                                 |
| 190                                                                               | 32.3                                                                                  | 249.1                                                                             | 15,900                                                                            | 34.6                                                                                  | 255.8                                                                             | 18,200                                                                            | 37.7                                                                                    | 264.4                                                                               | 16,900                                                                              | 190                                                                                 |
| 195                                                                               | 29.6                                                                                  | 240.7                                                                             | 15,400                                                                            | 32.1                                                                                  | 248.0                                                                             | 17,300                                                                            | 35.4                                                                                    | 257.5                                                                               | 16,100                                                                              | 195                                                                                 |
| 200                                                                               | 26.7                                                                                  | 231.2                                                                             | 14,900                                                                            | 29.3                                                                                  | 239.5                                                                             | 16,500                                                                            | 33.0                                                                                    | 250.1                                                                               | 15,400                                                                              | 200                                                                                 |
| 210                                                                               | 19.6                                                                                  | 207.4                                                                             | 14,100                                                                            | 23.1                                                                                  | 218.9                                                                             | 15,100                                                                            | 27.5                                                                                    | 232.7                                                                               | 14,000                                                                              | 210                                                                                 |
| 220                                                                               | 7.8                                                                                   | 165.4                                                                             | 10,300                                                                            | 14.4                                                                                  | 188.8                                                                             | 12,900                                                                            | 20.7                                                                                    | 209.9                                                                               | 12,700                                                                              | 220                                                                                 |
| 221                                                                               | 5.3                                                                                   | 156.2                                                                             | 9,600                                                                             | 12.4                                                                                  | 183.3                                                                             | 12,400                                                                            | 19.2                                                                                    | 206.8                                                                               | 12,600                                                                              | 221                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.8                                                                                   | 161.2                                                                             | 10,500                                                                            | 16.3                                                                                    | 194.6                                                                               | 12,100                                                                              | 225                                                                                 |
| 226                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.5                                                                                   | 149.2                                                                             | 9,600                                                                             | 14.8                                                                                    | 190.3                                                                               | 12,000                                                                              | 226                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.2                                                                                    | 172.8                                                                               | 11,500                                                                              | 230                                                                                 |
| 233                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 1.9                                                                                     | 142.7                                                                               | 9,800                                                                               | 233                                                                                 |
| 239                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 239                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 245                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 245                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |

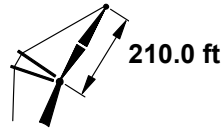
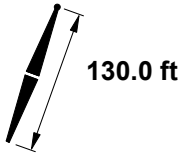


# MLC250 S-2

ASME B30.5



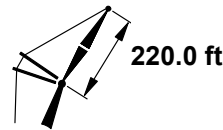
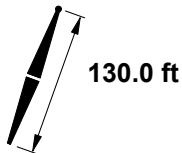
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 64  |      |       |        |      |       |        |      |       |        |      |       |       | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |       | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 93  |      |       |        |      |       |        |      |       |        |      |       |       | 93  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 67.9 | 329.9 | 37,900 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 66.4 | 327.8 | 35,500 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 64.9 | 325.5 | 33,400 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 63.4 | 323.0 | 31,400 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 61.9 | 320.4 | 29,600 |      |       |        |      |       |        |      |       |       | 130 |
| 135 | 60.3 | 317.6 | 27,900 |      |       |        |      |       |        |      |       |       | 135 |
| 138 | 58.8 | 315.8 | 27,000 | 62.8 | 319.3 | 24,200 |      |       |        |      |       |       | 138 |
| 140 | 58.7 | 314.6 | 26,400 | 62.2 | 318.3 | 23,600 |      |       |        |      |       |       | 140 |
| 145 | 57.1 | 311.4 | 25,000 | 60.6 | 315.5 | 22,300 |      |       |        |      |       |       | 145 |
| 150 | 55.4 | 308.0 | 23,700 | 59.0 | 312.6 | 21,100 |      |       |        |      |       |       | 150 |
| 155 | 53.8 | 304.4 | 22,400 | 57.4 | 309.4 | 19,900 |      |       |        |      |       |       | 155 |
| 160 | 52.0 | 300.6 | 21,300 | 55.8 | 306.1 | 18,900 |      |       |        |      |       |       | 160 |
| 164 | 50.4 | 297.3 | 20,400 | 54.2 | 303.2 | 18,100 | 58.0 | 307.0 | 15,800 |      |       |       | 164 |
| 165 | 50.3 | 296.5 | 20,200 | 54.1 | 302.5 | 17,900 | 57.7 | 306.3 | 15,600 |      |       |       | 165 |
| 170 | 48.5 | 292.2 | 19,200 | 52.4 | 298.7 | 16,900 | 56.0 | 303.0 | 14,700 |      |       |       | 170 |
| 175 | 46.6 | 287.5 | 18,300 | 50.6 | 294.7 | 16,100 | 54.4 | 299.5 | 13,900 |      |       |       | 175 |
| 180 | 44.7 | 282.6 | 17,400 | 48.8 | 290.4 | 15,200 | 52.7 | 295.7 | 13,200 |      |       |       | 180 |
| 185 | 42.7 | 277.3 | 16,500 | 47.0 | 285.9 | 14,500 | 50.9 | 291.8 | 12,400 |      |       |       | 185 |
| 190 | 40.6 | 271.6 | 15,700 | 45.1 | 281.0 | 13,700 | 49.1 | 287.5 | 11,700 | 52.8 | 291.5 | 9,200 | 190 |
| 195 | 38.5 | 265.5 | 15,000 | 43.1 | 275.8 | 13,000 | 47.3 | 283.0 | 10,900 | 51.1 | 287.6 | 8,500 | 195 |
| 200 | 36.2 | 258.8 | 14,200 | 41.1 | 270.2 | 12,300 | 45.4 | 278.1 | 10,300 | 49.3 | 283.3 | 7,900 | 200 |
| 210 | 31.3 | 243.6 | 12,900 | 36.7 | 257.6 | 11,100 | 41.4 | 267.4 | 9,000  | 45.5 | 274.0 | 6,800 | 210 |
| 220 | 25.4 | 224.8 | 11,700 | 31.8 | 242.7 | 10,000 | 37.0 | 255.0 | 7,900  | 41.6 | 263.4 | 5,700 | 220 |
| 221 | 24.2 | 222.5 | 11,600 | 30.6 | 241.0 | 9,900  | 36.4 | 253.6 | 7,700  | 40.6 | 262.2 | 5,600 | 221 |
| 225 | 22.0 | 213.2 | 11,100 | 29.1 | 234.1 | 9,500  | 34.7 | 248.0 | 7,300  | 39.4 | 257.4 | 5,200 | 225 |
| 226 | 20.2 | 210.4 | 11,000 | 28.4 | 232.1 | 9,300  | 33.6 | 246.5 | 7,200  |      |       |       | 226 |
| 230 | 17.9 | 199.2 | 10,500 | 26.1 | 224.3 | 8,900  | 32.2 | 240.3 | 6,800  |      |       |       | 230 |
| 233 | 13.0 | 184.2 | 10,200 | 23.6 | 217.0 | 8,600  | 30.2 | 234.9 | 6,500  |      |       |       | 233 |
| 239 | 5.3  | 154.1 | 9,500  | 18.8 | 202.2 | 7,900  | 26.6 | 224.1 | 5,900  |      |       |       | 239 |
| 240 |      |       |        | 18.8 | 199.7 | 7,800  | 26.6 | 222.3 | 5,800  |      |       |       | 240 |
| 245 |      |       |        | 13.9 | 182.3 | 7,300  | 23.3 | 211.4 | 5,400  |      |       |       | 245 |
| 250 |      |       |        | 5.4  | 151.8 | 6,800  |      |       |        |      |       |       | 250 |



184,600 lb  
+  
44,000 lb



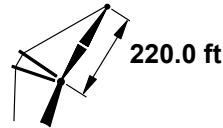
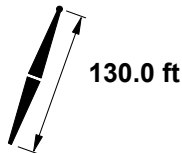
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 67  | 75.8 | 351.0 | 35,200 |      |       |        |      |       |        | 67  |
| 70  | 75.0 | 350.2 | 35,000 |      |       |        |      |       |        | 70  |
| 75  | 73.6 | 348.8 | 34,700 |      |       |        |      |       |        | 75  |
| 79  | 72.2 | 347.5 | 34,400 | 73.8 | 348.6 | 39,500 |      |       |        | 79  |
| 80  | 72.3 | 347.2 | 34,300 | 73.5 | 348.3 | 39,500 |      |       |        | 80  |
| 85  | 70.9 | 345.5 | 34,000 | 72.1 | 346.7 | 39,200 |      |       |        | 85  |
| 90  | 69.5 | 343.7 | 33,800 | 70.8 | 345.0 | 38,800 |      |       |        | 90  |
| 95  | 68.1 | 341.7 | 33,400 | 69.4 | 343.2 | 38,500 |      |       |        | 95  |
| 96  | 67.6 | 341.3 | 33,300 | 68.6 | 342.8 | 38,500 | 71.0 | 344.5 | 37,500 | 96  |
| 100 | 66.7 | 339.6 | 32,900 | 68.0 | 341.2 | 38,200 | 69.9 | 343.1 | 37,400 | 100 |
| 105 | 65.3 | 337.3 | 32,500 | 66.6 | 339.0 | 37,900 | 68.5 | 341.1 | 37,200 | 105 |
| 110 | 63.8 | 334.9 | 32,100 | 65.1 | 336.8 | 37,600 | 67.1 | 339.0 | 37,000 | 110 |
| 114 | 62.2 | 332.8 | 31,200 | 63.4 | 334.8 | 36,600 | 65.4 | 337.3 | 36,800 | 114 |
| 115 | 62.4 | 332.3 | 31,000 | 63.7 | 334.3 | 36,400 | 65.6 | 336.8 | 36,800 | 115 |
| 120 | 60.9 | 329.6 | 29,600 | 62.2 | 331.8 | 35,000 | 64.2 | 334.4 | 34,900 | 120 |
| 125 | 59.4 | 326.7 | 28,400 | 60.7 | 329.0 | 33,700 | 62.7 | 331.9 | 32,900 | 125 |
| 130 | 57.8 | 323.6 | 27,000 | 59.2 | 326.1 | 32,400 | 61.3 | 329.2 | 31,000 | 130 |
| 135 | 56.3 | 320.3 | 25,800 | 57.7 | 323.0 | 31,000 | 59.8 | 326.4 | 29,200 | 135 |
| 140 | 54.7 | 316.8 | 24,700 | 56.1 | 319.7 | 29,400 | 58.2 | 323.3 | 27,700 | 140 |
| 142 | 53.6 | 315.3 | 24,200 | 55.2 | 318.3 | 28,800 | 57.2 | 322.0 | 27,100 | 142 |
| 145 | 53.1 | 313.1 | 23,600 | 54.5 | 316.2 | 27,800 | 56.7 | 320.1 | 26,200 | 145 |
| 150 | 51.4 | 309.2 | 22,500 | 52.9 | 312.4 | 26,400 | 55.1 | 316.6 | 24,800 | 150 |
| 155 | 49.7 | 305.0 | 21,500 | 51.3 | 308.5 | 25,100 | 53.5 | 313.0 | 23,500 | 155 |
| 160 | 48.0 | 300.6 | 20,500 | 49.6 | 304.3 | 23,800 | 51.9 | 309.1 | 22,300 | 160 |
| 165 | 46.2 | 295.9 | 19,500 | 47.8 | 299.9 | 22,600 | 50.2 | 305.0 | 21,200 | 165 |
| 170 | 44.4 | 290.9 | 18,600 | 46.0 | 295.1 | 21,500 | 48.4 | 300.7 | 20,100 | 170 |
| 175 | 42.5 | 285.6 | 17,800 | 44.2 | 290.1 | 20,500 | 46.7 | 296.1 | 19,200 | 175 |
| 180 | 40.5 | 279.8 | 17,000 | 42.3 | 284.7 | 19,500 | 44.8 | 291.1 | 18,200 | 180 |
| 185 | 38.4 | 273.7 | 16,300 | 40.3 | 278.9 | 18,600 | 42.9 | 285.9 | 17,300 | 185 |
| 190 | 36.2 | 267.0 | 15,700 | 38.2 | 272.7 | 17,800 | 41.0 | 280.3 | 16,500 | 190 |
| 195 | 34.0 | 259.8 | 15,100 | 36.0 | 266.1 | 16,900 | 38.9 | 274.2 | 15,700 | 195 |
| 200 | 31.5 | 251.9 | 14,500 | 33.7 | 258.8 | 16,100 | 36.8 | 267.7 | 15,000 | 200 |
| 205 | 28.9 | 243.2 | 14,000 | 31.3 | 250.8 | 15,400 | 34.6 | 260.7 | 14,300 | 205 |
| 210 | 26.1 | 233.5 | 13,600 | 28.7 | 242.1 | 14,700 | 32.2 | 253.0 | 13,600 | 210 |
| 215 | 22.9 | 222.3 | 13,000 | 25.8 | 232.2 | 14,000 | 29.6 | 244.5 | 12,900 | 215 |
| 220 | 19.2 | 209.1 | 12,000 | 22.5 | 220.9 | 13,200 | 26.8 | 235.0 | 12,300 | 220 |
| 230 | 7.7  | 166.0 | 8,600  | 14.1 | 190.1 | 11,000 | 20.2 | 211.7 | 11,100 | 230 |
| 231 | 5.2  | 156.6 | 7,900  | 12.2 | 183.3 | 10,400 | 18.9 | 207.9 | 11,000 | 231 |
| 236 |      |       |        | 3.4  | 149.5 | 7,900  | 13.4 | 188.8 | 10,500 | 236 |
| 240 |      |       |        |      |       |        | 9.9  | 173.6 | 10,000 | 240 |
| 243 |      |       |        |      |       |        | 1.9  | 142.9 | 8,100  | 243 |
| 249 |      |       |        |      |       |        |      |       |        | 249 |
| 250 |      |       |        |      |       |        |      |       |        | 250 |
| 260 |      |       |        |      |       |        |      |       |        | 260 |

# MLC250 S-2

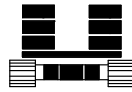
ASME B30.5



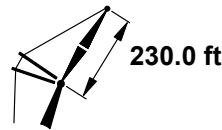
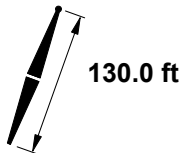
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|
|     |      |       |        |      |       |        |      |       |        |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |
| 67  |      |       |        |      |       |        |      |       | 67     |
| 70  |      |       |        |      |       |        |      |       | 70     |
| 75  |      |       |        |      |       |        |      |       | 75     |
| 79  |      |       |        |      |       |        |      |       | 79     |
| 80  |      |       |        |      |       |        |      |       | 80     |
| 85  |      |       |        |      |       |        |      |       | 85     |
| 90  |      |       |        |      |       |        |      |       | 90     |
| 95  |      |       |        |      |       |        |      |       | 95     |
| 96  |      |       |        |      |       |        |      |       | 96     |
| 100 |      |       |        |      |       |        |      |       | 100    |
| 105 |      |       |        |      |       |        |      |       | 105    |
| 110 |      |       |        |      |       |        |      |       | 110    |
| 114 | 67.8 | 339.1 | 35,500 |      |       |        |      |       | 114    |
| 115 | 67.6 | 338.7 | 35,000 |      |       |        |      |       | 115    |
| 120 | 66.1 | 336.5 | 32,900 |      |       |        |      |       | 120    |
| 125 | 64.7 | 334.2 | 30,900 |      |       |        |      |       | 125    |
| 130 | 63.2 | 331.7 | 29,100 |      |       |        |      |       | 130    |
| 135 | 61.8 | 329.0 | 27,400 |      |       |        |      |       | 135    |
| 140 | 60.3 | 326.2 | 25,900 |      |       |        |      |       | 140    |
| 142 | 59.2 | 325.0 | 25,400 | 63.0 | 328.5 | 22,500 |      |       | 142    |
| 145 | 58.8 | 323.2 | 24,500 | 62.1 | 326.9 | 21,800 |      |       | 145    |
| 150 | 57.2 | 320.1 | 23,200 | 60.6 | 324.2 | 20,500 |      |       | 150    |
| 155 | 55.7 | 316.7 | 22,000 | 59.1 | 321.2 | 19,400 |      |       | 155    |
| 160 | 54.1 | 313.2 | 20,800 | 57.5 | 318.1 | 18,400 |      |       | 160    |
| 165 | 52.4 | 309.4 | 19,700 | 56.0 | 314.8 | 17,400 |      |       | 165    |
| 170 | 50.8 | 305.4 | 18,700 | 54.4 | 311.3 | 16,400 | 57.8 | 315.0 | 14,100 |
| 175 | 49.0 | 301.1 | 17,800 | 52.8 | 307.5 | 15,600 | 56.2 | 311.7 | 13,200 |
| 180 | 47.3 | 296.6 | 16,900 | 51.1 | 303.6 | 14,700 | 54.6 | 308.2 | 12,400 |
| 185 | 45.5 | 291.7 | 16,100 | 49.4 | 299.3 | 14,000 | 53.0 | 304.5 | 11,600 |
| 190 | 43.6 | 286.6 | 15,300 | 47.6 | 294.9 | 13,200 | 51.4 | 300.6 | 10,900 |
| 195 | 41.7 | 281.1 | 14,500 | 45.8 | 290.1 | 12,500 | 49.7 | 296.4 | 10,200 |
| 200 | 39.7 | 275.2 | 13,800 | 44.0 | 285.0 | 11,900 | 47.9 | 292.0 | 9,500  |
| 205 | 37.6 | 268.9 | 13,100 | 42.1 | 279.6 | 11,200 | 46.1 | 287.3 | 8,900  |
| 210 | 35.3 | 262.0 | 12,500 | 40.1 | 273.8 | 10,600 | 44.3 | 282.2 | 8,300  |
| 215 | 33.0 | 254.6 | 11,800 | 38.0 | 267.6 | 10,000 | 42.4 | 276.9 | 7,700  |
| 220 | 30.5 | 246.4 | 11,300 | 35.8 | 260.8 | 9,400  | 40.4 | 271.1 | 7,100  |
| 230 | 24.8 | 227.0 | 10,100 | 31.0 | 245.5 | 8,200  | 36.1 | 258.3 | 6,100  |
| 231 | 23.3 | 224.4 | 10,000 | 30.4 | 243.6 | 8,100  | 35.5 | 256.8 | 6,000  |
| 236 | 19.8 | 211.2 | 9,500  | 27.4 | 234.2 | 7,600  | 33.0 | 249.2 | 5,500  |
| 240 | 17.5 | 200.7 | 9,100  | 25.5 | 226.6 | 7,200  | 31.4 | 243.1 | 5,100  |
| 243 | 13.0 | 185.3 | 8,800  | 22.9 | 219.0 | 6,900  |      |       |        |
| 249 | 5.2  | 154.5 | 8,200  | 18.7 | 203.9 | 6,300  |      |       |        |
| 250 |      |       |        | 18.4 | 201.3 | 6,200  |      |       |        |
| 260 |      |       |        | 5.3  | 152.2 | 5,200  |      |       |        |



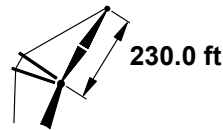
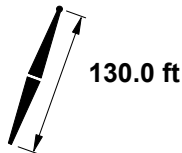
184,600 lb  
+  
44,000 lb



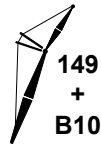
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 69  | 75.9 | 360.8 | 32,600 |      |       |        |      |       |        | 69  |
| 70  | 75.7 | 360.5 | 32,500 |      |       |        |      |       |        | 70  |
| 75  | 74.4 | 359.2 | 32,200 |      |       |        |      |       |        | 75  |
| 80  | 73.1 | 357.7 | 32,000 |      |       |        |      |       |        | 80  |
| 81  | 72.6 | 357.4 | 31,900 | 74.0 | 358.4 | 36,800 |      |       |        | 81  |
| 85  | 71.8 | 356.1 | 31,600 | 73.0 | 357.2 | 36,600 |      |       |        | 85  |
| 90  | 70.4 | 354.3 | 31,200 | 71.6 | 355.6 | 36,400 |      |       |        | 90  |
| 95  | 69.1 | 352.5 | 30,800 | 70.3 | 353.8 | 36,100 |      |       |        | 95  |
| 100 | 67.8 | 350.4 | 30,400 | 69.0 | 352.0 | 35,800 | 70.8 | 353.7 | 35,200 | 100 |
| 105 | 66.4 | 348.3 | 30,000 | 67.6 | 349.9 | 35,500 | 69.5 | 351.9 | 35,100 | 105 |
| 110 | 65.0 | 346.0 | 29,600 | 66.3 | 347.8 | 35,300 | 68.1 | 349.9 | 34,900 | 110 |
| 115 | 63.7 | 343.6 | 29,300 | 64.9 | 345.5 | 34,200 | 66.8 | 347.8 | 34,800 | 115 |
| 117 | 62.6 | 342.5 | 28,800 | 63.6 | 344.5 | 33,700 | 65.6 | 346.9 | 34,700 | 117 |
| 120 | 62.3 | 341.0 | 28,100 | 63.5 | 343.0 | 33,100 | 65.4 | 345.5 | 34,600 | 120 |
| 125 | 60.8 | 338.2 | 27,000 | 62.1 | 340.4 | 31,900 | 64.0 | 343.1 | 32,500 | 125 |
| 130 | 59.4 | 335.3 | 25,800 | 60.7 | 337.7 | 30,600 | 62.6 | 340.6 | 30,700 | 130 |
| 135 | 57.9 | 332.2 | 24,700 | 59.3 | 334.7 | 29,500 | 61.2 | 337.9 | 28,900 | 135 |
| 140 | 56.4 | 329.0 | 23,600 | 57.8 | 331.6 | 28,300 | 59.8 | 335.0 | 27,300 | 140 |
| 145 | 54.9 | 325.5 | 22,600 | 56.3 | 328.3 | 27,100 | 58.3 | 332.0 | 25,900 | 145 |
| 147 | 53.6 | 324.1 | 22,200 | 55.2 | 327.0 | 26,700 | 57.2 | 330.7 | 25,300 | 147 |
| 150 | 53.4 | 321.9 | 21,600 | 54.8 | 324.9 | 26,000 | 56.8 | 328.8 | 24,500 | 150 |
| 155 | 51.8 | 318.0 | 20,600 | 53.2 | 321.2 | 24,800 | 55.3 | 325.4 | 23,200 | 155 |
| 160 | 50.2 | 313.9 | 19,700 | 51.7 | 317.3 | 23,500 | 53.8 | 321.8 | 22,000 | 160 |
| 165 | 48.6 | 309.6 | 18,900 | 50.1 | 313.2 | 22,300 | 52.2 | 317.9 | 20,900 | 165 |
| 170 | 46.9 | 305.0 | 18,000 | 48.4 | 308.8 | 21,200 | 50.6 | 313.9 | 19,800 | 170 |
| 175 | 45.1 | 300.1 | 17,300 | 46.7 | 304.2 | 20,200 | 49.0 | 309.6 | 18,900 | 175 |
| 180 | 43.3 | 294.9 | 16,600 | 45.0 | 299.3 | 19,200 | 47.3 | 305.1 | 17,900 | 180 |
| 185 | 41.5 | 289.4 | 15,900 | 43.2 | 294.1 | 18,300 | 45.6 | 300.3 | 17,000 | 185 |
| 190 | 39.5 | 283.4 | 15,200 | 41.3 | 288.5 | 17,500 | 43.8 | 295.2 | 16,200 | 190 |
| 195 | 37.5 | 277.1 | 14,600 | 39.4 | 282.5 | 16,600 | 42.0 | 289.7 | 15,400 | 195 |
| 200 | 35.4 | 270.2 | 14,100 | 37.3 | 276.1 | 15,900 | 40.0 | 283.9 | 14,700 | 200 |
| 205 | 33.2 | 262.8 | 13,600 | 35.2 | 269.2 | 15,100 | 38.1 | 277.7 | 14,000 | 205 |
| 210 | 30.8 | 254.7 | 13,200 | 33.0 | 261.8 | 14,400 | 36.0 | 271.0 | 13,300 | 210 |
| 215 | 28.3 | 245.8 | 12,700 | 30.6 | 253.6 | 13,700 | 33.8 | 263.7 | 12,700 | 215 |
| 220 | 25.5 | 235.7 | 12,400 | 28.0 | 244.5 | 13,100 | 31.4 | 255.8 | 12,000 | 220 |
| 230 | 18.8 | 210.7 | 10,600 | 22.0 | 222.8 | 11,900 | 26.2 | 237.4 | 10,900 | 230 |
| 235 | 14.3 | 193.5 | 9,000  | 18.4 | 209.0 | 10,800 | 23.2 | 226.3 | 10,300 | 235 |
| 240 | 7.5  | 166.7 | 7,000  | 13.8 | 191.2 | 9,300  | 19.7 | 213.4 | 9,800  | 240 |
| 241 | 5.1  | 157.1 | 6,400  | 11.3 | 184.3 | 8,800  | 18.0 | 209.5 | 9,700  | 241 |
| 246 |      |       |        | 3.3  | 149.8 | 6,400  | 13.0 | 190.0 | 9,100  | 246 |
| 250 |      |       |        |      |       |        | 9.7  | 174.5 | 8,600  | 250 |
| 253 |      |       |        |      |       |        | 1.8  | 143.0 | 6,600  | 253 |
| 255 |      |       |        |      |       |        |      |       |        | 255 |
| 259 |      |       |        |      |       |        |      |       |        | 259 |



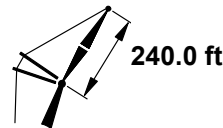
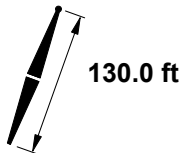
184,600 lb  
+  
44,000 lb

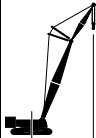
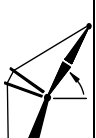
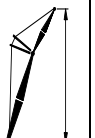
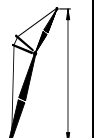
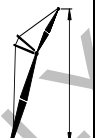
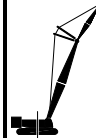


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 69  |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 81  |      |       |        |      |       |        |      |       |        | 81  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        |      |       |        | 115 |
| 117 | 68.0 | 348.7 | 33,800 |      |       |        |      |       |        | 117 |
| 120 | 67.2 | 347.4 | 32,500 |      |       |        |      |       |        | 120 |
| 125 | 65.9 | 345.2 | 30,600 |      |       |        |      |       |        | 125 |
| 130 | 64.5 | 342.8 | 28,800 |      |       |        |      |       |        | 130 |
| 135 | 63.1 | 340.4 | 27,100 |      |       |        |      |       |        | 135 |
| 140 | 61.7 | 337.7 | 25,600 |      |       |        |      |       |        | 140 |
| 145 | 60.3 | 334.9 | 24,200 |      |       |        |      |       |        | 145 |
| 147 | 59.2 | 333.7 | 23,700 | 62.8 | 337.2 | 20,900 |      |       |        | 147 |
| 150 | 58.8 | 331.9 | 22,900 | 62.0 | 335.6 | 20,200 |      |       |        | 150 |
| 155 | 57.3 | 328.8 | 21,600 | 60.6 | 332.8 | 19,100 |      |       |        | 155 |
| 160 | 55.8 | 325.4 | 20,500 | 59.1 | 329.9 | 18,000 |      |       |        | 160 |
| 165 | 54.3 | 321.9 | 19,400 | 57.6 | 326.8 | 17,000 |      |       |        | 165 |
| 170 | 52.8 | 318.1 | 18,400 | 56.2 | 323.5 | 16,100 |      |       |        | 170 |
| 175 | 51.2 | 314.2 | 17,500 | 54.6 | 320.0 | 15,200 | 57.9 | 323.7 | 12,800 | 175 |
| 180 | 49.6 | 310.0 | 16,600 | 53.1 | 316.3 | 14,400 | 56.4 | 320.4 | 11,900 | 180 |
| 185 | 47.9 | 305.6 | 15,800 | 51.5 | 312.4 | 13,600 | 54.9 | 316.9 | 11,100 | 185 |
| 190 | 46.2 | 300.9 | 15,000 | 49.9 | 308.2 | 12,900 | 53.3 | 313.3 | 10,400 | 190 |
| 195 | 44.4 | 295.8 | 14,200 | 48.2 | 303.9 | 12,200 | 51.7 | 309.4 | 9,700  | 195 |
| 200 | 42.6 | 290.5 | 13,500 | 46.5 | 299.2 | 11,500 | 50.1 | 305.3 | 9,000  | 200 |
| 205 | 40.7 | 284.8 | 12,800 | 44.8 | 294.3 | 10,800 | 48.5 | 300.9 | 8,400  | 205 |
| 210 | 38.7 | 278.7 | 12,200 | 43.0 | 289.0 | 10,200 | 46.8 | 296.3 | 7,800  | 210 |
| 215 | 36.7 | 272.2 | 11,600 | 41.1 | 283.4 | 9,500  | 45.0 | 291.4 | 7,200  | 215 |
| 220 | 34.5 | 265.1 | 11,000 | 39.2 | 277.4 | 8,900  | 43.3 | 286.2 | 6,700  | 220 |
| 230 | 29.8 | 249.0 | 9,900  | 35.0 | 264.0 | 7,800  | 39.5 | 274.7 | 5,700  | 230 |
| 235 | 27.2 | 239.7 | 9,400  | 32.7 | 256.4 | 7,300  | 37.4 | 268.3 | 5,200  | 235 |
| 240 | 24.3 | 229.2 | 8,900  | 30.3 | 248.2 | 6,800  |      |       |        | 240 |
| 241 | 23.3 | 226.5 | 8,800  | 29.4 | 246.3 | 6,700  |      |       |        | 241 |
| 246 | 19.8 | 213.0 | 8,200  | 26.4 | 236.6 | 6,200  |      |       |        | 246 |
| 250 | 17.1 | 202.2 | 7,800  | 24.9 | 228.8 | 5,800  |      |       |        | 250 |
| 253 | 14.0 | 190.4 | 7,500  | 22.2 | 221.7 | 5,500  |      |       |        | 253 |
| 255 | 12.0 | 182.5 | 7,300  | 21.7 | 217.0 | 5,300  |      |       |        | 255 |
| 259 | 5.1  | 154.9 | 6,900  |      |       |        |      |       |        | 259 |



184,600 lb  
+  
44,000 lb



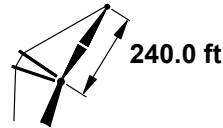
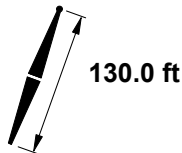
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 73                                                                                | 75.8                                                                                  | 370.4                                                                             | 29,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 73                                                                                  |
| 75                                                                                | 75.3                                                                                  | 369.9                                                                             | 28,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 74.1                                                                                  | 368.5                                                                             | 28,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 72.8                                                                                  | 367.0                                                                             | 28,300                                                                            | 74.0                                                                                  | 368.0                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 71.6                                                                                  | 365.3                                                                             | 28,000                                                                            | 72.7                                                                                  | 366.5                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 70.3                                                                                  | 363.6                                                                             | 27,800                                                                            | 71.5                                                                                  | 364.9                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 69.0                                                                                  | 361.7                                                                             | 27,600                                                                            | 70.2                                                                                  | 363.1                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 104                                                                               | 67.4                                                                                  | 360.1                                                                             | 27,300                                                                            | 68.4                                                                                  | 361.6                                                                             | 29,500                                                                            | 70.9                                                                                    | 363.3                                                                               | 29,500                                                                              | 104                                                                                 |
| 105                                                                               | 67.8                                                                                  | 359.7                                                                             | 27,300                                                                            | 68.9                                                                                  | 361.2                                                                             | 29,500                                                                            | 70.7                                                                                    | 363.0                                                                               | 29,500                                                                              | 105                                                                                 |
| 110                                                                               | 66.5                                                                                  | 357.5                                                                             | 26,900                                                                            | 67.6                                                                                  | 359.2                                                                             | 29,500                                                                            | 69.4                                                                                    | 361.1                                                                               | 29,500                                                                              | 110                                                                                 |
| 115                                                                               | 65.2                                                                                  | 355.3                                                                             | 26,600                                                                            | 66.3                                                                                  | 357.0                                                                             | 29,500                                                                            | 68.1                                                                                    | 359.1                                                                               | 29,500                                                                              | 115                                                                                 |
| 120                                                                               | 63.8                                                                                  | 352.8                                                                             | 26,300                                                                            | 65.0                                                                                  | 354.7                                                                             | 29,500                                                                            | 66.8                                                                                    | 357.0                                                                               | 29,500                                                                              | 120                                                                                 |
| 122                                                                               | 62.6                                                                                  | 351.8                                                                             | 26,100                                                                            | 64.2                                                                                  | 353.7                                                                             | 29,500                                                                            | 65.6                                                                                    | 356.1                                                                               | 29,500                                                                              | 122                                                                                 |
| 125                                                                               | 62.5                                                                                  | 350.3                                                                             | 26,000                                                                            | 63.7                                                                                  | 352.3                                                                             | 29,500                                                                            | 65.5                                                                                    | 354.8                                                                               | 29,500                                                                              | 125                                                                                 |
| 130                                                                               | 61.1                                                                                  | 347.6                                                                             | 25,200                                                                            | 62.4                                                                                  | 349.7                                                                             | 29,500                                                                            | 64.2                                                                                    | 352.4                                                                               | 29,500                                                                              | 130                                                                                 |
| 135                                                                               | 59.7                                                                                  | 344.7                                                                             | 24,300                                                                            | 61.0                                                                                  | 347.0                                                                             | 28,500                                                                            | 62.8                                                                                    | 349.9                                                                               | 28,600                                                                              | 135                                                                                 |
| 140                                                                               | 58.4                                                                                  | 341.6                                                                             | 23,200                                                                            | 59.6                                                                                  | 344.1                                                                             | 27,600                                                                            | 61.5                                                                                    | 347.2                                                                               | 27,000                                                                              | 140                                                                                 |
| 145                                                                               | 56.9                                                                                  | 338.4                                                                             | 22,300                                                                            | 58.2                                                                                  | 341.0                                                                             | 26,500                                                                            | 60.1                                                                                    | 344.4                                                                               | 25,500                                                                              | 145                                                                                 |
| 150                                                                               | 55.5                                                                                  | 335.1                                                                             | 21,300                                                                            | 56.8                                                                                  | 337.8                                                                             | 25,500                                                                            | 58.7                                                                                    | 341.4                                                                               | 24,200                                                                              | 150                                                                                 |
| 152                                                                               | 54.6                                                                                  | 333.6                                                                             | 21,000                                                                            | 55.6                                                                                  | 336.5                                                                             | 25,100                                                                            | 57.6                                                                                    | 340.1                                                                               | 23,600                                                                              | 152                                                                                 |
| 155                                                                               | 54.0                                                                                  | 331.5                                                                             | 20,500                                                                            | 55.4                                                                                  | 334.4                                                                             | 24,500                                                                            | 57.3                                                                                    | 338.2                                                                               | 22,900                                                                              | 155                                                                                 |
| 160                                                                               | 52.5                                                                                  | 327.7                                                                             | 19,600                                                                            | 53.9                                                                                  | 330.8                                                                             | 23,200                                                                            | 55.9                                                                                    | 334.9                                                                               | 21,700                                                                              | 160                                                                                 |
| 165                                                                               | 51.0                                                                                  | 323.7                                                                             | 18,800                                                                            | 52.4                                                                                  | 327.0                                                                             | 22,000                                                                            | 54.4                                                                                    | 331.3                                                                               | 20,600                                                                              | 165                                                                                 |
| 170                                                                               | 49.4                                                                                  | 319.5                                                                             | 18,000                                                                            | 50.9                                                                                  | 323.0                                                                             | 20,900                                                                            | 52.9                                                                                    | 327.6                                                                               | 19,500                                                                              | 170                                                                                 |
| 175                                                                               | 47.8                                                                                  | 315.1                                                                             | 17,300                                                                            | 49.3                                                                                  | 318.8                                                                             | 19,900                                                                            | 51.4                                                                                    | 323.7                                                                               | 18,500                                                                              | 175                                                                                 |
| 180                                                                               | 46.2                                                                                  | 310.4                                                                             | 16,600                                                                            | 47.7                                                                                  | 314.3                                                                             | 18,900                                                                            | 49.8                                                                                    | 319.5                                                                               | 17,600                                                                              | 180                                                                                 |
| 181                                                                               | 45.6                                                                                  | 309.4                                                                             | 16,500                                                                            | 46.8                                                                                  | 313.4                                                                             | 18,800                                                                            | 48.8                                                                                    | 318.7                                                                               | 17,400                                                                              | 181                                                                                 |
| 185                                                                               | 44.5                                                                                  | 305.4                                                                             | 15,900                                                                            | 46.0                                                                                  | 309.6                                                                             | 18,000                                                                            | 48.3                                                                                    | 315.2                                                                               | 16,700                                                                              | 185                                                                                 |
| 190                                                                               | 42.8                                                                                  | 300.1                                                                             | 15,300                                                                            | 44.4                                                                                  | 304.6                                                                             | 17,200                                                                            | 46.6                                                                                    | 310.5                                                                               | 15,900                                                                              | 190                                                                                 |
| 195                                                                               | 41.0                                                                                  | 294.4                                                                             | 14,700                                                                            | 42.6                                                                                  | 299.2                                                                             | 16,300                                                                            | 45.0                                                                                    | 305.6                                                                               | 15,100                                                                              | 195                                                                                 |
| 200                                                                               | 39.1                                                                                  | 288.4                                                                             | 14,100                                                                            | 40.8                                                                                  | 293.6                                                                             | 15,500                                                                            | 43.2                                                                                    | 300.4                                                                               | 14,300                                                                              | 200                                                                                 |
| 205                                                                               | 37.2                                                                                  | 282.0                                                                             | 13,600                                                                            | 38.9                                                                                  | 287.5                                                                             | 14,800                                                                            | 41.5                                                                                    | 294.8                                                                               | 13,600                                                                              | 205                                                                                 |
| 210                                                                               | 35.1                                                                                  | 275.0                                                                             | 13,100                                                                            | 37.0                                                                                  | 281.0                                                                             | 14,100                                                                            | 39.6                                                                                    | 288.9                                                                               | 13,000                                                                              | 210                                                                                 |
| 215                                                                               | 33.0                                                                                  | 267.6                                                                             | 12,600                                                                            | 34.9                                                                                  | 274.1                                                                             | 13,400                                                                            | 37.7                                                                                    | 282.6                                                                               | 12,300                                                                              | 215                                                                                 |
| 220                                                                               | 30.7                                                                                  | 259.4                                                                             | 12,200                                                                            | 32.8                                                                                  | 266.5                                                                             | 12,800                                                                            | 35.7                                                                                    | 275.8                                                                               | 11,700                                                                              | 220                                                                                 |
| 225                                                                               | 28.2                                                                                  | 250.4                                                                             | 11,800                                                                            | 30.5                                                                                  | 258.3                                                                             | 12,200                                                                            | 33.5                                                                                    | 268.5                                                                               | 11,100                                                                              | 225                                                                                 |
| 230                                                                               | 25.6                                                                                  | 240.5                                                                             | 11,200                                                                            | 28.0                                                                                  | 249.2                                                                             | 11,600                                                                            | 31.3                                                                                    | 260.5                                                                               | 10,600                                                                              | 230                                                                                 |
| 235                                                                               | 22.6                                                                                  | 229.1                                                                             | 10,400                                                                            | 25.3                                                                                  | 239.1                                                                             | 11,000                                                                            | 28.9                                                                                    | 251.8                                                                               | 10,000                                                                              | 235                                                                                 |
| 240                                                                               | 19.2                                                                                  | 215.8                                                                             | 9,100                                                                             | 22.3                                                                                  | 227.6                                                                             | 10,400                                                                            | 26.3                                                                                    | 242.1                                                                               | 9,500                                                                               | 240                                                                                 |
| 250                                                                               | 9.3                                                                                   | 175.6                                                                             | 6,000                                                                             | 14.7                                                                                  | 197.2                                                                             | 8,000                                                                             | 20.2                                                                                    | 218.4                                                                               | 8,500                                                                               | 250                                                                                 |
| 257                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.0                                                                                   | 152.9                                                                             | 5,100                                                                             | 13.7                                                                                    | 192.8                                                                               | 7,800                                                                               | 257                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.1                                                                                    | 181.9                                                                               | 7,500                                                                               | 260                                                                                 |
| 264                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.9                                                                                     | 147.8                                                                               | 5,400                                                                               | 264                                                                                 |
| 270                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 270                                                                                 |

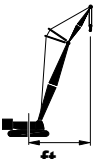
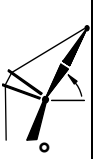
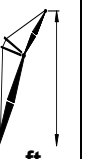
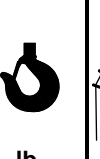
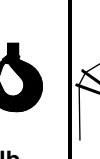
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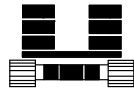
ASME B30.5



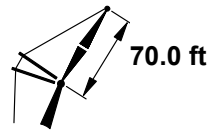
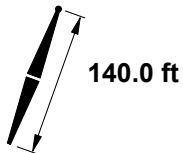
184,600 lb  
+  
44,000 lb



|     | 80°                                                                               |                                                                                   |                                                                                   | 75°                                                                               |                                                                                   |                                                                                   | 70°                                                                                |                                                                                     |                                                                                     |     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
|     |  |  |  |  |  |  |  |  |  |     |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                 | ft                                                                                  | lb                                                                                  | ft  |
| 73  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 73  |
| 75  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 75  |
| 80  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 80  |
| 85  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 85  |
| 90  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 90  |
| 95  |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 95  |
| 100 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 100 |
| 104 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 104 |
| 105 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 105 |
| 110 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 110 |
| 115 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 115 |
| 120 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 120 |
| 122 | 68.0                                                                              | 357.9                                                                             | 29,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 122 |
| 125 | 67.2                                                                              | 356.6                                                                             | 29,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 125 |
| 130 | 65.9                                                                              | 354.4                                                                             | 28,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 130 |
| 135 | 64.6                                                                              | 352.1                                                                             | 26,800                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 135 |
| 140 | 63.3                                                                              | 349.6                                                                             | 25,200                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 140 |
| 145 | 61.9                                                                              | 347.0                                                                             | 23,800                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 145 |
| 150 | 60.6                                                                              | 344.2                                                                             | 22,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 150 |
| 152 | 59.6                                                                              | 343.0                                                                             | 22,000                                                                            | 63.0                                                                              | 346.5                                                                             | 19,400                                                                            |                                                                                    |                                                                                     |                                                                                     | 152 |
| 155 | 59.2                                                                              | 341.3                                                                             | 21,300                                                                            | 62.2                                                                              | 344.9                                                                             | 18,700                                                                            |                                                                                    |                                                                                     |                                                                                     | 155 |
| 160 | 57.8                                                                              | 338.2                                                                             | 20,100                                                                            | 60.9                                                                              | 342.2                                                                             | 17,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 160 |
| 165 | 56.4                                                                              | 334.9                                                                             | 19,100                                                                            | 59.5                                                                              | 339.3                                                                             | 16,600                                                                            |                                                                                    |                                                                                     |                                                                                     | 165 |
| 170 | 54.9                                                                              | 331.4                                                                             | 18,100                                                                            | 58.1                                                                              | 336.2                                                                             | 15,700                                                                            |                                                                                    |                                                                                     |                                                                                     | 170 |
| 175 | 53.4                                                                              | 327.8                                                                             | 17,100                                                                            | 56.7                                                                              | 332.9                                                                             | 14,800                                                                            |                                                                                    |                                                                                     |                                                                                     | 175 |
| 180 | 51.9                                                                              | 323.9                                                                             | 16,200                                                                            | 55.2                                                                              | 329.5                                                                             | 14,000                                                                            |                                                                                    |                                                                                     |                                                                                     | 180 |
| 181 | 50.8                                                                              | 323.1                                                                             | 16,100                                                                            | 54.6                                                                              | 328.8                                                                             | 13,900                                                                            | 58.0                                                                               | 332.4                                                                               | 11,100                                                                              | 181 |
| 185 | 50.4                                                                              | 319.9                                                                             | 15,400                                                                            | 53.7                                                                              | 325.9                                                                             | 13,200                                                                            | 56.9                                                                               | 329.9                                                                               | 10,500                                                                              | 185 |
| 190 | 48.8                                                                              | 315.6                                                                             | 14,600                                                                            | 52.2                                                                              | 322.1                                                                             | 12,400                                                                            | 55.4                                                                               | 326.5                                                                               | 9,800                                                                               | 190 |
| 195 | 47.2                                                                              | 311.0                                                                             | 13,900                                                                            | 50.7                                                                              | 318.1                                                                             | 11,700                                                                            | 54.0                                                                               | 322.9                                                                               | 9,100                                                                               | 195 |
| 200 | 45.5                                                                              | 306.2                                                                             | 13,100                                                                            | 49.1                                                                              | 313.8                                                                             | 10,900                                                                            | 52.5                                                                               | 319.1                                                                               | 8,400                                                                               | 200 |
| 205 | 43.8                                                                              | 301.1                                                                             | 12,500                                                                            | 47.5                                                                              | 309.3                                                                             | 10,200                                                                            | 50.9                                                                               | 315.1                                                                               | 7,800                                                                               | 205 |
| 210 | 42.1                                                                              | 295.7                                                                             | 11,800                                                                            | 45.9                                                                              | 304.6                                                                             | 9,600                                                                             | 49.4                                                                               | 310.9                                                                               | 7,200                                                                               | 210 |
| 215 | 40.2                                                                              | 289.9                                                                             | 11,200                                                                            | 44.2                                                                              | 299.5                                                                             | 9,000                                                                             | 47.8                                                                               | 306.4                                                                               | 6,600                                                                               | 215 |
| 220 | 38.3                                                                              | 283.7                                                                             | 10,600                                                                            | 42.4                                                                              | 294.2                                                                             | 8,400                                                                             | 46.1                                                                               | 301.7                                                                               | 6,000                                                                               | 220 |
| 225 | 36.4                                                                              | 277.1                                                                             | 10,100                                                                            | 40.6                                                                              | 288.4                                                                             | 7,800                                                                             | 44.4                                                                               | 296.7                                                                               | 5,500                                                                               | 225 |
| 230 | 34.3                                                                              | 269.9                                                                             | 9,500                                                                             | 38.7                                                                              | 282.3                                                                             | 7,200                                                                             |                                                                                    |                                                                                     |                                                                                     | 230 |
| 235 | 32.1                                                                              | 262.2                                                                             | 8,900                                                                             | 36.8                                                                              | 275.8                                                                             | 6,700                                                                             |                                                                                    |                                                                                     |                                                                                     | 235 |
| 240 | 29.7                                                                              | 253.7                                                                             | 8,400                                                                             | 34.7                                                                              | 268.8                                                                             | 6,200                                                                             |                                                                                    |                                                                                     |                                                                                     | 240 |
| 250 | 24.4                                                                              | 233.9                                                                             | 7,300                                                                             | 30.2                                                                              | 252.9                                                                             | 5,200                                                                             |                                                                                    |                                                                                     |                                                                                     | 250 |
| 257 | 19.1                                                                              | 215.4                                                                             | 6,600                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 257 |
| 260 | 17.7                                                                              | 207.5                                                                             | 6,300                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 260 |
| 264 | 12.2                                                                              | 187.4                                                                             | 5,900                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 264 |
| 270 | 5.4                                                                               | 157.3                                                                             | 5,300                                                                             |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 270 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |                  | 86°  |       |                  | 83°  |       |                  |  |
|-----|------|-------|------------------|------|-------|------------------|------|-------|------------------|--|
| ft  | ft   | ft    | lb               | ft   | ft    | lb               | ft   | lb    | ft               |  |
| 32  | 74.6 | 215.2 | 142,600 <b>d</b> |      |       |                  |      |       | 32               |  |
| 34  | 72.9 | 214.5 | 140,300 <b>d</b> |      |       |                  |      |       | 34               |  |
| 36  | 71.1 | 213.8 | 136,200 <b>d</b> |      |       |                  |      |       | 36               |  |
| 38  | 69.4 | 213.1 | 132,000 <b>d</b> | 73.6 | 214.5 | 141,100 <b>d</b> |      |       | 38               |  |
| 40  | 67.6 | 212.3 | 128,100 <b>c</b> | 71.9 | 213.8 | 136,800 <b>d</b> |      |       | 40               |  |
| 45  | 63.1 | 209.8 | 118,900 <b>b</b> | 67.5 | 211.9 | 127,000 <b>c</b> |      |       | 45               |  |
| 49  | 59.0 | 207.5 | 112,400 <b>b</b> | 63.0 | 209.9 | 119,900 <b>c</b> | 70.4 | 212.4 | 126,100 <b>d</b> |  |
| 50  | 58.3 | 206.9 | 110,800 <b>b</b> | 62.9 | 209.4 | 118,100 <b>b</b> | 69.5 | 212.0 | 122,800 <b>d</b> |  |
| 55  | 53.3 | 203.4 | 103,600          | 58.2 | 206.5 | 110,100 <b>b</b> | 65.0 | 209.8 | 108,300 <b>b</b> |  |
| 59  | 48.2 | 200.0 | 98,500           | 54.0 | 203.7 | 102,600 <b>b</b> | 61.0 | 207.6 | 99,100 <b>b</b>  |  |
| 60  | 47.9 | 199.1 | 97,300           | 53.2 | 202.9 | 100,700          | 60.4 | 207.1 | 96,800 <b>b</b>  |  |
| 65  | 42.0 | 193.9 | 90,800           | 47.8 | 198.7 | 90,800           | 55.5 | 203.8 | 87,300           |  |
| 70  | 35.3 | 187.4 | 83,100           | 41.9 | 193.4 | 82,600           | 50.3 | 199.9 | 79,400           |  |
| 75  | 27.2 | 178.8 | 77,300           | 35.1 | 186.9 | 75,600           | 44.7 | 195.1 | 72,700           |  |
| 77  | 22.2 | 173.4 | 73,600           | 31.4 | 183.4 | 73,200           | 41.6 | 192.8 | 70,400           |  |
| 80  | 15.3 | 165.2 | 68,100           | 26.9 | 178.3 | 69,600           | 38.3 | 189.3 | 66,900           |  |
| 82  | 4.8  | 152.5 | 55,500           | 21.2 | 172.7 | 67,500           | 34.8 | 186.3 | 64,900           |  |
| 85  |      |       |                  | 14.9 | 164.4 | 64,300           | 30.9 | 181.7 | 61,900           |  |
| 87  |      |       |                  | 2.5  | 149.5 | 55,100           | 26.4 | 177.5 | 60,100           |  |
| 90  |      |       |                  |      |       |                  | 21.3 | 171.0 | 57,400           |  |
| 94  |      |       |                  |      |       |                  | 6.4  | 153.4 | 54,100           |  |
| 95  |      |       |                  |      |       |                  |      |       | 95               |  |
| 100 |      |       |                  |      |       |                  |      |       | 100              |  |
| 101 |      |       |                  |      |       |                  |      |       | 101              |  |
| 105 |      |       |                  |      |       |                  |      |       | 105              |  |
| 110 |      |       |                  |      |       |                  |      |       | 110              |  |
| 113 |      |       |                  |      |       |                  |      |       | 113              |  |
| 115 |      |       |                  |      |       |                  |      |       | 115              |  |
| 120 |      |       |                  |      |       |                  |      |       | 120              |  |
| 125 |      |       |                  |      |       |                  |      |       | 125              |  |
| 130 |      |       |                  |      |       |                  |      |       | 130              |  |
| 135 |      |       |                  |      |       |                  |      |       | 135              |  |
| 136 |      |       |                  |      |       |                  |      |       | 136              |  |

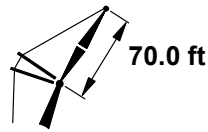
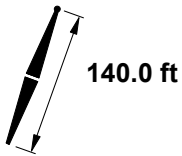


# MLC250 S-2

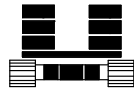
ASME B30.5



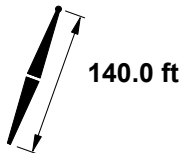
184,600 lb  
+  
44,000 lb



|     | 80°  |       |                 | 75°  |       |                 | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------------|------|-------|-----------------|------|-------|--------|------|-------|--------|-----|
|     |      |       |                 |      |       |                 |      |       |        |      |       |        |     |
|     | ft   | ft    | lb              | ft   | lb    | ft              | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 32  |      |       |                 |      |       |                 |      |       |        |      |       |        | 32  |
| 34  |      |       |                 |      |       |                 |      |       |        |      |       |        | 34  |
| 36  |      |       |                 |      |       |                 |      |       |        |      |       |        | 36  |
| 38  |      |       |                 |      |       |                 |      |       |        |      |       |        | 38  |
| 40  |      |       |                 |      |       |                 |      |       |        |      |       |        | 40  |
| 45  |      |       |                 |      |       |                 |      |       |        |      |       |        | 45  |
| 49  |      |       |                 |      |       |                 |      |       |        |      |       |        | 49  |
| 50  |      |       |                 |      |       |                 |      |       |        |      |       |        | 50  |
| 55  |      |       |                 |      |       |                 |      |       |        |      |       |        | 55  |
| 59  | 68.0 | 210.1 | 94,900 <b>c</b> |      |       |                 |      |       |        |      |       |        | 59  |
| 60  | 67.1 | 209.6 | 92,900 <b>c</b> |      |       |                 |      |       |        |      |       |        | 60  |
| 65  | 62.5 | 207.2 | 83,800 <b>b</b> |      |       |                 |      |       |        |      |       |        | 65  |
| 70  | 57.7 | 204.2 | 76,200 <b>b</b> |      |       |                 |      |       |        |      |       |        | 70  |
| 75  | 52.7 | 200.5 | 69,700          |      |       |                 |      |       |        |      |       |        | 75  |
| 77  | 50.0 | 198.8 | 67,500          | 62.4 | 204.3 | 62,700 <b>b</b> |      |       |        |      |       |        | 77  |
| 80  | 47.2 | 196.2 | 64,200          | 59.6 | 202.5 | 59,700 <b>b</b> |      |       |        |      |       |        | 80  |
| 82  | 44.6 | 194.1 | 62,300          | 57.0 | 201.2 | 57,900 <b>b</b> |      |       |        |      |       |        | 82  |
| 85  | 41.3 | 190.9 | 59,400          | 54.6 | 199.2 | 55,200          |      |       |        |      |       |        | 85  |
| 87  | 38.2 | 188.2 | 57,700          | 52.0 | 197.5 | 53,600          |      |       |        |      |       |        | 87  |
| 90  | 34.4 | 184.2 | 55,200          | 49.3 | 195.1 | 51,300          |      |       |        |      |       |        | 90  |
| 94  | 27.6 | 177.0 | 52,100          | 44.2 | 191.1 | 48,500          | 57.2 | 197.1 | 44,800 |      |       |        | 94  |
| 95  | 26.0 | 175.2 | 51,400          | 43.6 | 190.2 | 47,800          | 56.2 | 196.4 | 44,100 |      |       |        | 95  |
| 100 | 13.1 | 160.3 | 47,900          | 37.1 | 184.1 | 44,700          | 51.1 | 192.6 | 41,300 |      |       |        | 100 |
| 101 | 8.2  | 154.3 | 47,200          | 35.4 | 182.5 | 44,100          | 49.8 | 191.7 | 40,700 |      |       |        | 101 |
| 105 |      |       |                 | 29.5 | 176.1 | 41,800          | 45.5 | 188.0 | 38,700 |      |       |        | 105 |
| 110 |      |       |                 | 19.0 | 164.4 | 39,200          | 39.3 | 182.3 | 36,300 | 52.3 | 188.7 | 33,400 | 110 |
| 113 |      |       |                 | 7.3  | 150.5 | 37,700          | 34.8 | 177.9 | 35,000 | 48.4 | 186.1 | 32,200 | 113 |
| 115 |      |       |                 |      |       |                 | 32.1 | 175.0 | 34,200 | 46.9 | 184.3 | 31,400 | 115 |
| 120 |      |       |                 |      |       |                 | 22.9 | 165.0 | 32,200 | 40.9 | 178.9 | 29,600 | 120 |
| 125 |      |       |                 |      |       |                 | 2.0  | 140.1 | 30,100 | 33.9 | 172.1 | 27,900 | 125 |
| 130 |      |       |                 |      |       |                 |      |       |        | 25.4 | 163.0 | 26,300 | 130 |
| 135 |      |       |                 |      |       |                 |      |       |        | 11.8 | 147.1 | 24,800 | 135 |
| 136 |      |       |                 |      |       |                 |      |       |        | 5.6  | 139.6 | 24,500 | 136 |



184,600 lb  
+  
44,000 lb



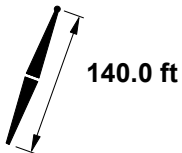
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 33  | 75.8 | 225.3 | 128,500 d |      |       |           |      |       |           | 33  |
| 34  | 75.1 | 225.0 | 127,700 d |      |       |           |      |       |           | 34  |
| 36  | 73.6 | 224.4 | 125,800 d |      |       |           |      |       |           | 36  |
| 38  | 72.1 | 223.7 | 125,600 d |      |       |           |      |       |           | 38  |
| 40  | 70.5 | 223.0 | 122,100 c |      |       |           |      |       |           | 40  |
| 41  | 69.2 | 222.6 | 120,600 c | 73.5 | 224.0 | 129,700 d |      |       |           | 41  |
| 45  | 66.7 | 221.0 | 114,900 b | 70.5 | 222.6 | 122,600 c |      |       |           | 45  |
| 50  | 62.7 | 218.5 | 107,300   | 66.6 | 220.6 | 114,400 b |      |       |           | 50  |
| 52  | 60.4 | 217.3 | 104,600   | 64.4 | 219.6 | 111,400 b | 70.7 | 221.9 | 116,100 c | 52  |
| 55  | 58.5 | 215.6 | 100,500   | 62.6 | 218.1 | 106,900   | 68.4 | 220.8 | 107,900 b | 55  |
| 60  | 54.2 | 212.1 | 94,400    | 58.4 | 215.2 | 100,200   | 64.4 | 218.5 | 96,300 b  | 60  |
| 63  | 51.0 | 209.7 | 90,200    | 55.6 | 213.1 | 94,400    | 61.6 | 216.8 | 90,700 b  | 63  |
| 65  | 49.6 | 208.1 | 87,400    | 54.1 | 211.7 | 90,500    | 60.3 | 215.8 | 86,900    | 65  |
| 70  | 44.6 | 203.3 | 79,600    | 49.5 | 207.6 | 82,300    | 56.1 | 212.5 | 79,000    | 70  |
| 75  | 39.1 | 197.5 | 73,000    | 44.5 | 202.8 | 75,400    | 51.6 | 208.8 | 72,300    | 75  |
| 80  | 32.9 | 190.4 | 67,400    | 39.0 | 197.0 | 69,400    | 46.8 | 204.3 | 66,600    | 80  |
| 81  | 30.6 | 188.5 | 66,600    | 36.8 | 195.6 | 68,300    | 45.0 | 203.2 | 65,600    | 81  |
| 85  | 25.3 | 181.1 | 63,300    | 32.7 | 189.9 | 64,200    | 41.6 | 199.0 | 61,600    | 85  |
| 90  | 14.2 | 166.4 | 59,900    | 25.1 | 180.5 | 59,600    | 35.7 | 192.5 | 57,200    | 90  |
| 92  | 4.4  | 152.8 | 49,300    | 20.2 | 174.5 | 57,900    | 32.2 | 189.2 | 55,600    | 92  |
| 95  |      |       |           | 13.8 | 165.6 | 55,500    | 28.8 | 184.3 | 53,300    | 95  |
| 97  |      |       |           | 2.2  | 149.5 | 49,100    | 24.4 | 179.7 | 51,900    | 97  |
| 99  |      |       |           |      |       |           | 20.8 | 175.1 | 50,500    | 99  |
| 100 |      |       |           |      |       |           | 19.8 | 172.8 | 49,800    | 100 |
| 104 |      |       |           |      |       |           | 5.9  | 153.9 | 47,100    | 104 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 111 |      |       |           |      |       |           |      |       |           | 111 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 116 |      |       |           |      |       |           |      |       |           | 116 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 123 |      |       |           |      |       |           |      |       |           | 123 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 146 |      |       |           |      |       |           |      |       |           | 146 |

# MLC250 S-2

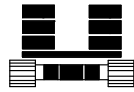
ASME B30.5



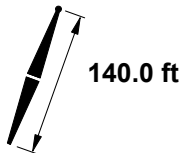
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |          |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb       | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 33  |      |       |          |      |       |          |      |       |        |      |       |        | 33  |
| 34  |      |       |          |      |       |          |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |          |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |          |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |          |      |       |        |      |       |        | 40  |
| 41  |      |       |          |      |       |          |      |       |        |      |       |        | 41  |
| 45  |      |       |          |      |       |          |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |          |      |       |        |      |       |        | 50  |
| 52  |      |       |          |      |       |          |      |       |        |      |       |        | 52  |
| 55  |      |       |          |      |       |          |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |          |      |       |        |      |       |        | 60  |
| 63  | 67.8 | 219.2 | 86,700 b |      |       |          |      |       |        |      |       |        | 63  |
| 65  | 66.2 | 218.3 | 83,200 b |      |       |          |      |       |        |      |       |        | 65  |
| 70  | 62.2 | 215.8 | 75,700   |      |       |          |      |       |        |      |       |        | 70  |
| 75  | 58.0 | 212.8 | 69,300   |      |       |          |      |       |        |      |       |        | 75  |
| 80  | 53.6 | 209.3 | 63,800   |      |       |          |      |       |        |      |       |        | 80  |
| 81  | 52.0 | 208.5 | 62,800   | 62.9 | 213.5 | 58,100 b |      |       |        |      |       |        | 81  |
| 85  | 49.0 | 205.2 | 59,000   | 59.6 | 211.2 | 54,600   |      |       |        |      |       |        | 85  |
| 90  | 44.0 | 200.3 | 54,800   | 55.3 | 207.9 | 50,700   |      |       |        |      |       |        | 90  |
| 92  | 41.0 | 197.9 | 53,300   | 53.0 | 206.3 | 49,300   |      |       |        |      |       |        | 92  |
| 95  | 38.4 | 194.4 | 51,000   | 50.8 | 204.0 | 47,300   |      |       |        |      |       |        | 95  |
| 97  | 35.6 | 191.4 | 49,700   | 48.0 | 202.1 | 46,000   |      |       |        |      |       |        | 97  |
| 99  | 33.2 | 188.5 | 48,400   | 46.0 | 200.3 | 44,800   | 57.6 | 205.8 | 41,200 |      |       |        | 99  |
| 100 | 32.1 | 187.1 | 47,700   | 45.9 | 199.4 | 44,200   | 56.7 | 205.1 | 40,600 |      |       |        | 100 |
| 104 | 25.6 | 179.3 | 45,300   | 41.0 | 195.0 | 42,000   | 52.8 | 202.2 | 38,600 |      |       |        | 104 |
| 105 | 24.3 | 177.3 | 44,700   | 40.6 | 193.9 | 41,400   | 52.3 | 201.4 | 38,100 |      |       |        | 105 |
| 110 | 12.2 | 161.3 | 41,900   | 34.6 | 187.2 | 38,900   | 47.5 | 197.1 | 35,800 |      |       |        | 110 |
| 111 | 7.6  | 154.9 | 41,300   | 32.6 | 185.5 | 38,400   | 46.0 | 196.0 | 35,300 |      |       |        | 111 |
| 115 |      |       |          | 27.4 | 178.6 | 36,600   | 42.3 | 191.9 | 33,700 |      |       |        | 115 |
| 116 |      |       |          | 25.0 | 176.0 | 36,200   | 40.8 | 190.6 | 33,300 | 52.4 | 196.7 | 30,400 | 116 |
| 120 |      |       |          | 17.7 | 166.0 | 34,500   | 36.6 | 185.6 | 31,700 | 48.7 | 193.3 | 29,000 | 120 |
| 123 |      |       |          | 6.8  | 151.0 | 33,200   | 31.8 | 180.9 | 30,700 | 45.0 | 190.4 | 28,000 | 123 |
| 125 |      |       |          |      |       |          | 29.9 | 177.7 | 30,000 | 43.6 | 188.4 | 27,300 | 125 |
| 130 |      |       |          |      |       |          | 21.3 | 166.8 | 28,300 | 38.1 | 182.4 | 25,800 | 130 |
| 135 |      |       |          |      |       |          | 1.7  | 140.1 | 26,600 | 31.6 | 175.0 | 24,400 | 135 |
| 140 |      |       |          |      |       |          |      |       |        | 23.7 | 165.0 | 23,100 | 140 |
| 145 |      |       |          |      |       |          |      |       |        | 10.9 | 148.0 | 21,800 | 145 |
| 146 |      |       |          |      |       |          |      |       |        | 5.1  | 140.0 | 21,500 | 146 |



184,600 lb  
+  
44,000 lb



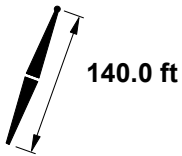
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 36  | 75.5 | 234.8 | 115,000 d |      |       |           |      |       |           | 36  |
| 38  | 74.1 | 234.2 | 113,500 d |      |       |           |      |       |           | 38  |
| 40  | 72.8 | 233.6 | 112,000 c |      |       |           |      |       |           | 40  |
| 43  | 70.2 | 232.5 | 109,800 c | 74.0 | 233.9 | 118,000 d |      |       |           | 43  |
| 45  | 69.4 | 231.8 | 108,300 b | 72.7 | 233.2 | 118,000 c |      |       |           | 45  |
| 50  | 65.9 | 229.7 | 104,200 b | 69.3 | 231.4 | 110,900 b |      |       |           | 50  |
| 55  | 62.4 | 227.2 | 97,700    | 65.9 | 229.3 | 104,000   | 70.9 | 231.5 | 107,500 b | 55  |
| 60  | 58.7 | 224.3 | 92,000    | 62.3 | 226.8 | 97,700    | 67.5 | 229.5 | 96,000 b  | 60  |
| 65  | 54.9 | 220.9 | 85,500    | 58.6 | 223.8 | 90,300    | 63.9 | 227.1 | 86,600    | 65  |
| 67  | 52.4 | 219.3 | 82,400    | 56.4 | 222.5 | 87,000    | 61.8 | 226.0 | 83,400    | 67  |
| 70  | 50.8 | 217.0 | 77,800    | 54.8 | 220.4 | 82,100    | 60.3 | 224.4 | 78,700    | 70  |
| 75  | 46.5 | 212.4 | 71,200    | 50.7 | 216.5 | 75,200    | 56.5 | 221.2 | 72,000    | 75  |
| 80  | 41.9 | 207.1 | 65,300    | 46.4 | 212.0 | 69,200    | 52.6 | 217.6 | 66,300    | 80  |
| 85  | 36.8 | 200.9 | 60,400    | 41.8 | 206.7 | 64,000    | 48.4 | 213.3 | 61,400    | 85  |
| 86  | 34.8 | 199.3 | 59,600    | 40.0 | 205.4 | 63,100    | 47.0 | 212.3 | 60,500    | 86  |
| 90  | 30.9 | 193.2 | 56,200    | 36.6 | 200.4 | 59,500    | 43.9 | 208.4 | 57,000    | 90  |
| 95  | 23.8 | 183.2 | 53,200    | 30.8 | 192.6 | 55,500    | 39.1 | 202.6 | 53,100    | 95  |
| 100 | 13.4 | 167.6 | 51,800    | 23.6 | 182.5 | 51,900    | 33.6 | 195.6 | 49,700    | 100 |
| 102 | 4.1  | 153.1 | 43,900    | 18.6 | 176.2 | 50,500    | 30.6 | 192.0 | 48,500    | 102 |
| 104 |      |       |           | 14.2 | 169.8 | 49,200    | 28.2 | 188.5 | 47,200    | 104 |
| 105 |      |       |           | 13.0 | 166.6 | 48,600    | 27.1 | 186.7 | 46,600    | 105 |
| 107 |      |       |           | 2.0  | 149.6 | 43,800    | 23.4 | 181.8 | 45,500    | 107 |
| 110 |      |       |           |      |       |           | 18.6 | 174.4 | 43,800    | 110 |
| 114 |      |       |           |      |       |           | 5.5  | 154.3 | 41,600    | 114 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 121 |      |       |           |      |       |           |      |       |           | 121 |
| 122 |      |       |           |      |       |           |      |       |           | 122 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 133 |      |       |           |      |       |           |      |       |           | 133 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 150 |      |       |           |      |       |           |      |       |           | 150 |
| 155 |      |       |           |      |       |           |      |       |           | 155 |
| 156 |      |       |           |      |       |           |      |       |           | 156 |

# MLC250 S-2

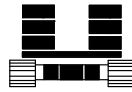
ASME B30.5



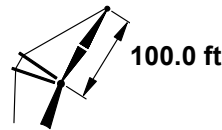
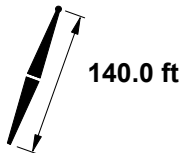
184,600 lb  
+  
44,000 lb

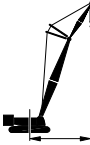
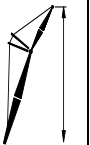
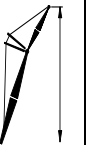
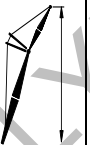


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 43  |      |       |          |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 67  | 67.6 | 228.4 | 79,700 b |      |       |        |      |       |        |      |       |        | 67  |
| 70  | 65.5 | 227.0 | 75,300   |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 61.9 | 224.5 | 68,900   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 58.2 | 221.5 | 63,400   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 54.4 | 218.1 | 58,700   |      |       |        |      |       |        |      |       |        | 85  |
| 86  | 53.2 | 217.3 | 57,800   | 62.6 | 222.1 | 53,400 |      |       |        |      |       |        | 86  |
| 90  | 50.3 | 214.1 | 54,500   | 59.7 | 219.8 | 50,300 |      |       |        |      |       |        | 90  |
| 95  | 46.0 | 209.5 | 50,800   | 55.9 | 216.6 | 46,900 |      |       |        |      |       |        | 95  |
| 100 | 41.3 | 204.1 | 47,500   | 51.9 | 212.8 | 43,900 |      |       |        |      |       |        | 100 |
| 102 | 39.0 | 201.5 | 46,300   | 49.4 | 211.1 | 42,800 |      |       |        |      |       |        | 102 |
| 104 | 37.0 | 198.9 | 45,100   | 47.8 | 209.3 | 41,700 | 57.8 | 214.5 | 38,200 |      |       |        | 104 |
| 105 | 36.1 | 197.7 | 44,500   | 47.6 | 208.5 | 41,100 | 57.1 | 213.8 | 37,700 |      |       |        | 105 |
| 107 | 33.6 | 194.5 | 43,500   | 45.4 | 206.4 | 40,100 | 55.4 | 212.4 | 36,800 |      |       |        | 107 |
| 110 | 30.2 | 189.8 | 41,900   | 43.1 | 203.4 | 38,600 | 53.2 | 210.2 | 35,400 |      |       |        | 110 |
| 114 | 23.6 | 181.4 | 39,900   | 39.0 | 198.6 | 36,800 | 49.8 | 206.9 | 33,700 |      |       |        | 114 |
| 115 | 22.8 | 179.3 | 39,400   | 38.1 | 197.4 | 36,400 | 49.0 | 206.1 | 33,300 |      |       |        | 115 |
| 120 | 11.4 | 162.2 | 37,100   | 32.5 | 190.1 | 34,300 | 44.6 | 201.2 | 31,400 |      |       |        | 120 |
| 121 | 7.1  | 155.5 | 36,600   | 30.6 | 188.3 | 33,900 | 43.0 | 200.1 | 31,100 |      |       |        | 121 |
| 122 |      |       |          | 29.2 | 186.4 | 33,500 | 42.0 | 199.0 | 30,700 | 52.5 | 204.7 | 27,900 | 122 |
| 125 |      |       |          | 25.8 | 180.8 | 32,400 | 39.8 | 195.6 | 29,700 | 50.0 | 202.3 | 27,000 | 125 |
| 130 |      |       |          | 16.7 | 167.4 | 30,600 | 34.4 | 188.7 | 28,100 | 45.7 | 197.6 | 25,500 | 130 |
| 133 |      |       |          | 6.3  | 151.5 | 29,500 | 30.4 | 183.6 | 27,200 | 42.0 | 194.3 | 24,700 | 133 |
| 135 |      |       |          |      |       |        | 28.1 | 180.2 | 26,600 | 41.0 | 192.2 | 24,100 | 135 |
| 140 |      |       |          |      |       |        | 20.0 | 168.6 | 25,100 | 35.8 | 185.7 | 22,800 | 140 |
| 145 |      |       |          |      |       |        | 1.5  | 140.0 | 23,700 | 29.7 | 177.6 | 21,600 | 145 |
| 150 |      |       |          |      |       |        |      |       |        | 22.2 | 167.0 | 20,500 | 150 |
| 155 |      |       |          |      |       |        |      |       |        | 10.3 | 148.9 | 19,400 | 155 |
| 156 |      |       |          |      |       |        |      |       |        | 4.8  | 140.3 | 19,100 | 156 |



184,600 lb  
+  
44,000 lb



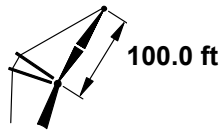
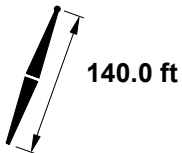
|     | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                  | <br>83° |                                                                                           |                                                                                           |  |
|-----|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--|
|     | <br>ft  | <br>ft | <br>lb | <br>ft  | <br>lb |                  | <br>ft   | <br>lb | <br>ft |  |
| 38  | 75.8                                                                                     | 244.6                                                                                   | 105,100 <b>d</b>                                                                        |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 38                                                                                        |  |
| 40  | 74.6                                                                                     | 244.1                                                                                   | 102,500 <b>c</b>                                                                        |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 40                                                                                        |  |
| 45  | 71.6                                                                                     | 242.5                                                                                   | 99,500 <b>b</b>                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 45                                                                                        |  |
| 46  | 70.4                                                                                     | 242.1                                                                                   | 98,900 <b>b</b>                                                                         | 73.9                                                                                     | 243.4                                                                                   | 112,500 <b>b</b> |                                                                                            |                                                                                           | 46                                                                                        |  |
| 50  | 68.5                                                                                     | 240.6                                                                                   | 96,400                                                                                  | 71.5                                                                                     | 242.1                                                                                   | 107,100 <b>b</b> |                                                                                            |                                                                                           | 50                                                                                        |  |
| 55  | 65.4                                                                                     | 238.4                                                                                   | 93,500                                                                                  | 68.4                                                                                     | 240.2                                                                                   | 100,700          |                                                                                            |                                                                                           | 55                                                                                        |  |
| 59  | 62.6                                                                                     | 236.3                                                                                   | 90,100                                                                                  | 65.6                                                                                     | 238.4                                                                                   | 96,000           | 70.4                                                                                       | 240.7                                                                                     | 59                                                                                        |  |
| 60  | 62.2                                                                                     | 235.8                                                                                   | 89,300                                                                                  | 65.3                                                                                     | 238.0                                                                                   | 94,800           | 69.8                                                                                       | 240.3                                                                                     | 60                                                                                        |  |
| 65  | 58.8                                                                                     | 232.9                                                                                   | 82,400                                                                                  | 62.1                                                                                     | 235.4                                                                                   | 89,400           | 66.7                                                                                       | 238.2                                                                                     | 65                                                                                        |  |
| 70  | 55.4                                                                                     | 229.6                                                                                   | 75,700                                                                                  | 58.7                                                                                     | 232.5                                                                                   | 81,700           | 63.6                                                                                       | 235.8                                                                                     | 70                                                                                        |  |
| 71  | 54.2                                                                                     | 228.8                                                                                   | 74,400                                                                                  | 57.4                                                                                     | 231.8                                                                                   | 80,300           | 62.4                                                                                       | 235.3                                                                                     | 71                                                                                        |  |
| 75  | 51.8                                                                                     | 225.8                                                                                   | 69,300                                                                                  | 55.3                                                                                     | 229.2                                                                                   | 74,800           | 60.3                                                                                       | 233.1                                                                                     | 75                                                                                        |  |
| 80  | 48.0                                                                                     | 221.5                                                                                   | 63,600                                                                                  | 51.7                                                                                     | 225.4                                                                                   | 68,800           | 56.9                                                                                       | 229.9                                                                                     | 80                                                                                        |  |
| 85  | 44.0                                                                                     | 216.5                                                                                   | 58,600                                                                                  | 47.9                                                                                     | 221.0                                                                                   | 63,700           | 53.4                                                                                       | 226.3                                                                                     | 85                                                                                        |  |
| 90  | 39.6                                                                                     | 210.8                                                                                   | 54,300                                                                                  | 43.9                                                                                     | 216.1                                                                                   | 59,200           | 49.7                                                                                       | 222.3                                                                                     | 90                                                                                        |  |
| 95  | 34.8                                                                                     | 204.0                                                                                   | 50,500                                                                                  | 39.5                                                                                     | 210.3                                                                                   | 55,200           | 45.8                                                                                       | 217.6                                                                                     | 95                                                                                        |  |
| 100 | 29.3                                                                                     | 195.8                                                                                   | 47,400                                                                                  | 34.7                                                                                     | 203.5                                                                                   | 51,600           | 41.5                                                                                       | 212.2                                                                                     | 100                                                                                       |  |
| 105 | 22.5                                                                                     | 185.1                                                                                   | 45,000                                                                                  | 29.1                                                                                     | 195.2                                                                                   | 48,400           | 36.9                                                                                       | 205.9                                                                                     | 105                                                                                       |  |
| 110 | 12.6                                                                                     | 168.6                                                                                   | 44,100                                                                                  | 22.3                                                                                     | 184.5                                                                                   | 45,500           | 31.8                                                                                       | 198.4                                                                                     | 110                                                                                       |  |
| 112 | 3.8                                                                                      | 153.4                                                                                   | 39,300                                                                                  | 18.0                                                                                     | 177.8                                                                                   | 44,400           | 28.6                                                                                       | 194.6                                                                                     | 112                                                                                       |  |
| 115 |                                                                                          |                                                                                         |                                                                                         | 12.3                                                                                     | 167.7                                                                                   | 42,800           | 25.7                                                                                       | 189.0                                                                                     | 115                                                                                       |  |
| 117 |                                                                                          |                                                                                         |                                                                                         | 1.9                                                                                      | 149.6                                                                                   | 39,300           | 21.8                                                                                       | 183.8                                                                                     | 117                                                                                       |  |
| 120 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  | 17.6                                                                                       | 175.9                                                                                     | 120                                                                                       |  |
| 124 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  | 5.2                                                                                        | 154.7                                                                                     | 124                                                                                       |  |
| 125 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 125                                                                                       |  |
| 128 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 128                                                                                       |  |
| 130 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 130                                                                                       |  |
| 131 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 131                                                                                       |  |
| 135 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 135                                                                                       |  |
| 140 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 140                                                                                       |  |
| 143 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 143                                                                                       |  |
| 145 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 145                                                                                       |  |
| 150 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 150                                                                                       |  |
| 155 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 155                                                                                       |  |
| 160 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 160                                                                                       |  |
| 165 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 165                                                                                       |  |
| 166 |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                  |                                                                                            |                                                                                           | 166                                                                                       |  |

# MLC250 S-2

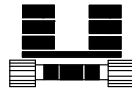
ASME B30.5



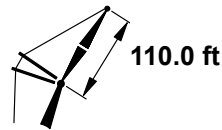
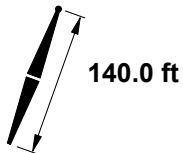
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  | 67.5 | 237.6 | 73,400 |      |       |        |      |       |        |      |       |        | 71  |
| 75  | 65.0 | 235.7 | 68,400 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 61.8 | 233.1 | 62,900 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 58.4 | 230.2 | 58,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 55.0 | 226.8 | 54,000 | 63.0 | 231.3 | 49,700 |      |       |        |      |       |        | 90  |
| 95  | 51.3 | 223.0 | 50,300 | 59.7 | 228.5 | 46,300 |      |       |        |      |       |        | 95  |
| 100 | 47.5 | 218.6 | 47,000 | 56.3 | 225.3 | 43,300 |      |       |        |      |       |        | 100 |
| 105 | 43.5 | 213.5 | 44,100 | 52.7 | 221.6 | 40,600 |      |       |        |      |       |        | 105 |
| 110 | 39.1 | 207.7 | 41,500 | 49.0 | 217.4 | 38,100 | 57.4 | 222.5 | 34,800 |      |       |        | 110 |
| 112 | 37.0 | 204.9 | 40,500 | 46.8 | 215.5 | 37,200 | 55.4 | 221.1 | 34,000 |      |       |        | 112 |
| 115 | 34.2 | 200.7 | 39,000 | 45.0 | 212.7 | 35,900 | 53.9 | 219.0 | 32,700 |      |       |        | 115 |
| 117 | 31.6 | 197.4 | 38,200 | 43.0 | 210.5 | 35,000 | 51.8 | 217.4 | 32,000 |      |       |        | 117 |
| 120 | 28.5 | 192.3 | 36,800 | 40.8 | 207.1 | 33,800 | 50.2 | 215.0 | 30,800 |      |       |        | 120 |
| 124 | 22.4 | 183.4 | 35,200 | 36.8 | 202.0 | 32,300 | 46.8 | 211.3 | 29,500 |      |       |        | 124 |
| 125 | 21.6 | 181.2 | 34,800 | 36.1 | 200.7 | 32,000 | 46.3 | 210.4 | 29,100 |      |       |        | 125 |
| 128 | 14.4 | 170.4 | 33,600 | 32.4 | 196.0 | 30,900 | 43.6 | 207.2 | 28,200 | 52.6 | 212.8 | 25,400 | 128 |
| 130 | 10.8 | 163.1 | 32,800 | 30.8 | 192.9 | 30,200 | 42.2 | 205.1 | 27,500 | 51.1 | 211.1 | 24,900 | 130 |
| 131 | 6.7  | 156.0 | 32,400 | 28.8 | 190.9 | 29,900 | 41.0 | 203.9 | 27,200 | 50.2 | 210.2 | 24,600 | 131 |
| 135 |      |       |        | 24.4 | 183.0 | 28,600 | 37.6 | 199.0 | 26,100 | 47.3 | 206.7 | 23,500 | 135 |
| 140 |      |       |        | 15.8 | 168.8 | 27,100 | 32.5 | 191.7 | 24,700 | 43.2 | 201.6 | 22,300 | 140 |
| 143 |      |       |        | 6.0  | 152.0 | 26,200 | 28.4 | 186.2 | 23,900 | 40.0 | 198.1 | 21,600 | 143 |
| 145 |      |       |        |      |       |        | 26.6 | 182.6 | 23,400 | 38.8 | 195.7 | 21,100 | 145 |
| 150 |      |       |        |      |       |        | 18.9 | 170.2 | 22,200 | 33.8 | 188.7 | 20,000 | 150 |
| 155 |      |       |        |      |       |        | 1.3  | 140.0 | 20,900 | 28.1 | 180.1 | 19,000 | 155 |
| 160 |      |       |        |      |       |        |      |       |        | 21.0 | 168.8 | 18,000 | 160 |
| 165 |      |       |        |      |       |        |      |       |        | 9.7  | 149.7 | 17,000 | 165 |
| 166 |      |       |        |      |       |        |      |       |        | 4.5  | 140.7 | 16,800 | 166 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |          | 86°  |       |           | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|-----------|------|-------|--------|-----|
|     |      |       |          |      |       |           |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft        | lb   | ft    | ft     |     |
| 40  | 76.0 | 254.4 | 95,200 c |      |       |           |      |       |        | 40  |
| 45  | 73.3 | 253.0 | 91,500 b |      |       |           |      |       |        | 45  |
| 49  | 70.6 | 251.6 | 89,500 b | 73.8 | 252.9 | 104,600 b |      |       |        | 49  |
| 50  | 70.5 | 251.3 | 89,000   | 73.2 | 252.6 | 103,400 b |      |       |        | 50  |
| 55  | 67.7 | 249.3 | 86,500   | 70.5 | 250.9 | 97,500    |      |       |        | 55  |
| 60  | 64.9 | 247.1 | 84,100   | 67.7 | 248.9 | 92,100    |      |       |        | 60  |
| 62  | 62.8 | 246.0 | 82,300   | 65.8 | 248.0 | 90,100    | 70.6 | 250.2 | 91,400 | 62  |
| 65  | 62.0 | 244.5 | 79,600   | 64.8 | 246.7 | 87,000    | 69.0 | 249.1 | 85,900 | 65  |
| 70  | 58.9 | 241.6 | 73,400   | 61.9 | 244.1 | 81,600    | 66.1 | 246.9 | 78,100 | 70  |
| 74  | 55.6 | 238.9 | 68,800   | 58.6 | 241.8 | 76,100    | 63.6 | 245.0 | 72,800 | 74  |
| 75  | 55.8 | 238.3 | 67,700   | 58.9 | 241.2 | 74,700    | 63.2 | 244.5 | 71,500 | 75  |
| 80  | 52.6 | 234.6 | 62,500   | 55.7 | 237.9 | 68,800    | 60.3 | 241.7 | 65,800 | 80  |
| 85  | 49.2 | 230.4 | 57,400   | 52.5 | 234.2 | 63,600    | 57.2 | 238.6 | 60,800 | 85  |
| 90  | 45.6 | 225.7 | 53,100   | 49.1 | 230.0 | 59,100    | 54.0 | 235.1 | 56,500 | 90  |
| 95  | 41.8 | 220.4 | 49,200   | 45.5 | 225.3 | 55,100    | 50.7 | 231.1 | 52,700 | 95  |
| 100 | 37.7 | 214.2 | 45,900   | 41.7 | 219.9 | 51,600    | 47.2 | 226.7 | 49,200 | 100 |
| 105 | 33.1 | 207.0 | 42,900   | 37.6 | 213.7 | 48,400    | 43.5 | 221.6 | 46,200 | 105 |
| 110 | 27.9 | 198.3 | 40,500   | 33.0 | 206.5 | 45,500    | 39.5 | 215.8 | 43,400 | 110 |
| 115 | 21.4 | 187.0 | 38,800   | 27.7 | 197.7 | 42,900    | 35.1 | 209.1 | 40,900 | 115 |
| 120 | 12.0 | 169.6 | 38,100   | 21.3 | 186.4 | 40,500    | 30.2 | 201.1 | 38,600 | 120 |
| 122 | 3.6  | 153.6 | 35,000   | 17.0 | 179.3 | 39,600    | 27.6 | 197.1 | 37,800 | 122 |
| 125 |      |       |          | 11.7 | 168.7 | 38,200    | 24.4 | 191.1 | 36,500 | 125 |
| 127 |      |       |          | 1.7  | 149.7 | 34,900    | 20.8 | 185.6 | 35,700 | 127 |
| 130 |      |       |          |      |       |           | 16.8 | 177.3 | 34,600 | 130 |
| 134 |      |       |          |      |       |           | 4.9  | 155.0 | 33,000 | 134 |
| 135 |      |       |          |      |       |           |      |       |        | 135 |
| 140 |      |       |          |      |       |           |      |       |        | 140 |
| 141 |      |       |          |      |       |           |      |       |        | 141 |
| 145 |      |       |          |      |       |           |      |       |        | 145 |
| 150 |      |       |          |      |       |           |      |       |        | 150 |
| 153 |      |       |          |      |       |           |      |       |        | 153 |
| 155 |      |       |          |      |       |           |      |       |        | 155 |
| 160 |      |       |          |      |       |           |      |       |        | 160 |
| 165 |      |       |          |      |       |           |      |       |        | 165 |
| 170 |      |       |          |      |       |           |      |       |        | 170 |
| 175 |      |       |          |      |       |           |      |       |        | 175 |
| 176 |      |       |          |      |       |           |      |       |        | 176 |

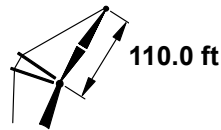
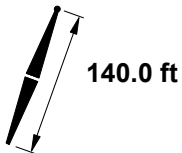


# MLC250 S-2

ASME B30.5



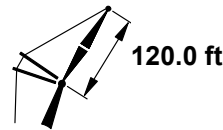
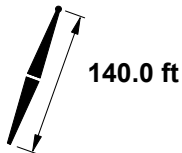
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  | 68.0 | 247.1 | 69,400 |      |       |        |      |       |        |      |       |        | 74  |
| 75  | 67.4 | 246.7 | 68,200 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 64.5 | 244.4 | 62,800 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 61.6 | 241.8 | 58,000 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 58.6 | 238.8 | 53,900 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 55.4 | 235.5 | 50,200 | 62.7 | 240.0 | 46,200 |      |       |        |      |       |        | 95  |
| 100 | 52.2 | 231.8 | 46,900 | 59.7 | 237.2 | 43,100 |      |       |        |      |       |        | 100 |
| 105 | 48.8 | 227.5 | 44,000 | 56.6 | 234.0 | 40,400 |      |       |        |      |       |        | 105 |
| 110 | 45.2 | 222.8 | 41,400 | 53.4 | 230.4 | 38,000 |      |       |        |      |       |        | 110 |
| 115 | 41.3 | 217.3 | 39,000 | 50.1 | 226.4 | 35,700 | 57.6 | 231.2 | 32,600 |      |       |        | 115 |
| 120 | 37.1 | 211.0 | 36,800 | 46.6 | 221.8 | 33,700 | 54.5 | 227.7 | 30,700 |      |       |        | 120 |
| 122 | 35.0 | 208.1 | 36,000 | 44.4 | 219.7 | 33,000 | 52.8 | 226.2 | 30,000 |      |       |        | 122 |
| 125 | 32.5 | 203.7 | 34,800 | 42.8 | 216.6 | 31,900 | 51.2 | 223.8 | 29,000 |      |       |        | 125 |
| 127 | 30.0 | 200.1 | 34,000 | 40.4 | 214.2 | 31,200 | 49.4 | 222.1 | 28,300 |      |       |        | 127 |
| 130 | 27.1 | 194.7 | 32,900 | 38.8 | 210.7 | 30,200 | 47.7 | 219.4 | 27,400 |      |       |        | 130 |
| 134 | 21.4 | 185.3 | 31,600 | 34.8 | 205.1 | 28,900 | 44.6 | 215.5 | 26,200 | 52.6 | 220.8 | 23,600 | 134 |
| 135 | 20.5 | 183.0 | 31,200 | 34.3 | 203.8 | 28,600 | 44.0 | 214.5 | 25,900 | 52.0 | 220.0 | 23,400 | 135 |
| 140 | 10.3 | 164.0 | 29,600 | 29.3 | 195.5 | 27,100 | 40.1 | 208.8 | 24,600 | 48.5 | 215.7 | 22,100 | 140 |
| 141 | 6.3  | 156.5 | 29,200 | 27.8 | 193.4 | 26,800 | 39.0 | 207.5 | 24,300 | 47.2 | 214.7 | 21,900 | 141 |
| 145 |      |       |        | 23.2 | 185.0 | 25,700 | 35.8 | 202.2 | 23,300 | 44.9 | 210.9 | 21,000 | 145 |
| 150 |      |       |        | 15.0 | 170.0 | 24,400 | 31.0 | 194.4 | 22,200 | 41.1 | 205.4 | 19,900 | 150 |
| 153 |      |       |        | 5.7  | 152.4 | 23,600 | 27.0 | 188.7 | 21,500 | 38.0 | 201.6 | 19,300 | 153 |
| 155 |      |       |        |      |       |        | 25.3 | 184.8 | 21,100 | 36.9 | 199.1 | 18,900 | 155 |
| 160 |      |       |        |      |       |        | 18.0 | 171.8 | 20,000 | 32.2 | 191.6 | 17,900 | 160 |
| 165 |      |       |        |      |       |        | 1.2  | 140.0 | 18,900 | 26.8 | 182.5 | 17,000 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 20.0 | 170.6 | 16,200 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 9.2  | 150.4 | 15,300 | 175 |
| 176 |      |       |        |      |       |        |      |       |        | 4.2  | 141.0 | 15,100 | 176 |



184,600 lb  
+  
44,000 lb



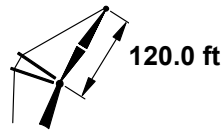
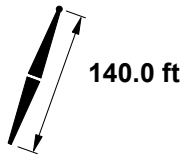
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
| ft  | °    | ft    | lb       | °    | ft    | lb     | °    | ft    | lb     | ft  |
| 43  | 75.7 | 264.0 | 84,800 b |      |       |        |      |       |        | 43  |
| 45  | 74.7 | 263.4 | 84,000 b |      |       |        |      |       |        | 45  |
| 50  | 72.2 | 261.9 | 83,000   |      |       |        |      |       |        | 50  |
| 52  | 70.8 | 261.2 | 81,800   | 73.7 | 262.5 | 97,200 |      |       |        | 52  |
| 55  | 69.7 | 260.1 | 79,900   | 72.2 | 261.5 | 94,100 |      |       |        | 55  |
| 60  | 67.1 | 258.1 | 78,800   | 69.6 | 259.7 | 89,100 |      |       |        | 60  |
| 65  | 64.5 | 255.8 | 76,000   | 67.1 | 257.7 | 84,400 | 70.8 | 259.8 | 85,400 | 65  |
| 70  | 61.8 | 253.2 | 70,900   | 64.4 | 255.4 | 80,100 | 68.2 | 257.8 | 77,600 | 70  |
| 75  | 59.0 | 250.2 | 65,600   | 61.7 | 252.8 | 74,300 | 65.6 | 255.6 | 71,000 | 75  |
| 78  | 57.2 | 248.3 | 62,800   | 59.2 | 251.0 | 70,700 | 63.2 | 254.1 | 67,500 | 78  |
| 80  | 56.2 | 247.0 | 60,800   | 59.0 | 249.8 | 68,300 | 63.0 | 253.2 | 65,300 | 80  |
| 85  | 53.2 | 243.4 | 56,300   | 56.1 | 246.6 | 63,200 | 60.2 | 250.4 | 60,300 | 85  |
| 90  | 50.2 | 239.3 | 52,000   | 53.2 | 242.9 | 58,700 | 57.4 | 247.3 | 56,000 | 90  |
| 95  | 47.0 | 234.8 | 48,300   | 50.1 | 238.9 | 54,700 | 54.5 | 243.8 | 52,200 | 95  |
| 99  | 43.6 | 230.8 | 45,600   | 46.8 | 235.3 | 51,900 | 51.6 | 240.8 | 49,500 | 99  |
| 100 | 43.6 | 229.8 | 44,900   | 46.9 | 234.4 | 51,200 | 51.5 | 240.0 | 48,800 | 100 |
| 105 | 39.9 | 224.0 | 41,900   | 43.5 | 229.3 | 48,000 | 48.4 | 235.7 | 45,800 | 105 |
| 110 | 36.0 | 217.5 | 39,300   | 39.8 | 223.5 | 45,100 | 45.0 | 230.9 | 43,000 | 110 |
| 115 | 31.6 | 209.8 | 37,000   | 35.9 | 217.0 | 42,500 | 41.5 | 225.4 | 40,500 | 115 |
| 120 | 26.6 | 200.6 | 35,100   | 31.5 | 209.3 | 40,200 | 37.7 | 219.3 | 38,300 | 120 |
| 125 | 20.5 | 188.8 | 33,700   | 26.5 | 200.0 | 38,000 | 33.6 | 212.1 | 36,200 | 125 |
| 130 | 11.5 | 170.6 | 33,300   | 20.3 | 188.1 | 36,000 | 28.9 | 203.7 | 34,300 | 130 |
| 132 | 3.4  | 153.8 | 30,800   | 16.4 | 180.7 | 35,200 | 26.0 | 199.5 | 33,500 | 132 |
| 135 |      |       |          | 11.1 | 169.6 | 34,100 | 23.3 | 193.2 | 32,500 | 135 |
| 137 |      |       |          | 1.6  | 149.7 | 30,800 | 20.2 | 187.4 | 31,800 | 137 |
| 140 |      |       |          |      |       |        | 16.0 | 178.7 | 30,800 | 140 |
| 144 |      |       |          |      |       |        | 4.7  | 155.4 | 29,500 | 144 |
| 145 |      |       |          |      |       |        |      |       |        | 145 |
| 150 |      |       |          |      |       |        |      |       |        | 150 |
| 151 |      |       |          |      |       |        |      |       |        | 151 |
| 155 |      |       |          |      |       |        |      |       |        | 155 |
| 160 |      |       |          |      |       |        |      |       |        | 160 |
| 163 |      |       |          |      |       |        |      |       |        | 163 |
| 165 |      |       |          |      |       |        |      |       |        | 165 |
| 170 |      |       |          |      |       |        |      |       |        | 170 |
| 175 |      |       |          |      |       |        |      |       |        | 175 |
| 180 |      |       |          |      |       |        |      |       |        | 180 |
| 185 |      |       |          |      |       |        |      |       |        | 185 |
| 186 |      |       |          |      |       |        |      |       |        | 186 |

# MLC250 S-2

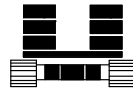
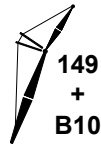
ASME B30.5



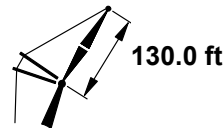
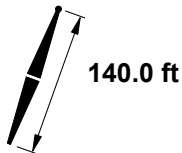
184,600 lb  
+  
44,000 lb

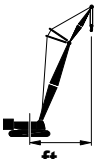
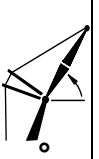
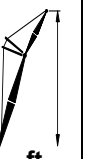
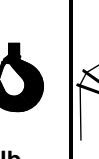


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 43  |      |       |        |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  | 67.8 | 256.3 | 64,300 |      |       |        |      |       |        |      |       |        | 78  |
| 80  | 66.8 | 255.5 | 62,200 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 64.2 | 253.1 | 57,500 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 61.5 | 250.5 | 53,300 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 58.7 | 247.5 | 49,700 |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 55.6 | 244.9 | 47,100 | 63.0 | 249.2 | 43,100 |      |       |        |      |       |        | 99  |
| 100 | 55.8 | 244.2 | 46,400 | 62.5 | 248.7 | 42,500 |      |       |        |      |       |        | 100 |
| 105 | 52.9 | 240.6 | 43,500 | 59.7 | 245.8 | 39,800 |      |       |        |      |       |        | 105 |
| 110 | 49.8 | 236.5 | 40,900 | 56.9 | 242.7 | 37,400 |      |       |        |      |       |        | 110 |
| 115 | 46.5 | 231.9 | 38,500 | 54.0 | 239.1 | 35,200 |      |       |        |      |       |        | 115 |
| 120 | 43.1 | 226.8 | 36,300 | 51.0 | 235.2 | 33,200 | 57.8 | 239.9 | 30,100 |      |       |        | 120 |
| 125 | 39.5 | 220.9 | 34,400 | 47.8 | 230.8 | 31,300 | 54.9 | 236.4 | 28,400 |      |       |        | 125 |
| 130 | 35.5 | 214.3 | 32,500 | 44.4 | 225.9 | 29,600 | 51.9 | 232.7 | 26,800 |      |       |        | 130 |
| 132 | 33.4 | 211.1 | 31,800 | 42.4 | 223.7 | 29,000 | 49.8 | 231.0 | 26,200 |      |       |        | 132 |
| 135 | 31.1 | 206.5 | 30,800 | 40.9 | 220.4 | 28,100 | 48.8 | 228.4 | 25,400 |      |       |        | 135 |
| 137 | 28.6 | 202.7 | 30,200 | 38.8 | 217.8 | 27,500 | 46.8 | 226.5 | 24,800 |      |       |        | 137 |
| 140 | 25.9 | 197.0 | 29,300 | 37.0 | 214.0 | 26,600 | 45.5 | 223.7 | 24,000 | 52.7 | 228.8 | 21,500 | 140 |
| 144 | 20.2 | 187.2 | 28,100 | 33.0 | 208.2 | 25,600 | 42.6 | 219.4 | 23,000 | 49.6 | 225.5 | 20,600 | 144 |
| 145 | 19.6 | 184.7 | 27,800 | 32.8 | 206.7 | 25,300 | 42.0 | 218.4 | 22,800 | 49.6 | 224.6 | 20,400 | 145 |
| 150 | 9.8  | 164.8 | 26,300 | 28.0 | 198.0 | 24,000 | 38.3 | 212.3 | 21,600 | 46.3 | 220.0 | 19,300 | 150 |
| 151 | 6.0  | 157.0 | 26,000 | 26.0 | 195.8 | 23,800 | 37.2 | 210.9 | 21,400 | 45.2 | 219.0 | 19,100 | 151 |
| 155 |      |       |        | 22.2 | 187.0 | 22,800 | 34.2 | 205.3 | 20,600 | 42.9 | 214.8 | 18,300 | 155 |
| 160 |      |       |        | 14.3 | 171.3 | 21,700 | 29.6 | 197.1 | 19,500 | 39.2 | 209.0 | 17,400 | 160 |
| 163 |      |       |        | 5.4  | 152.8 | 21,000 | 26.0 | 191.0 | 19,000 | 36.6 | 204.9 | 16,800 | 163 |
| 165 |      |       |        |      |       |        | 24.2 | 186.9 | 18,600 | 35.2 | 202.2 | 16,500 | 165 |
| 170 |      |       |        |      |       |        | 17.2 | 173.3 | 17,600 | 30.8 | 194.4 | 15,700 | 170 |
| 175 |      |       |        |      |       |        | 1.1  | 140.0 | 16,600 | 25.6 | 184.8 | 14,900 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 19.1 | 172.2 | 14,100 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 8.8  | 151.1 | 13,300 | 185 |
| 186 |      |       |        |      |       |        |      |       |        | 4.0  | 141.3 | 13,200 | 186 |



184,600 lb  
+  
44,000 lb



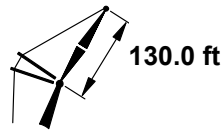
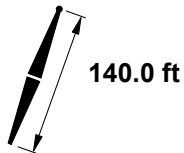
|                                                                                      | 88°                                                                                  |                                                                                      |                                                                                      | 86°                                                                                  |                                                                                      |                                                                                      | 83°                                                                                   |                                                                                        |                                                                                        |     |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|
|  ft |  ft |  ft |  lb |  ft |  lb |  ft |  lb |  lb |  ft |     |
| 45                                                                                   | 75.9                                                                                 | 273.8                                                                                | 77,200 b                                                                             |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        | 45                                                                                     |     |
| 50                                                                                   | 73.6                                                                                 | 272.4                                                                                | 75,600                                                                               |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        | 50                                                                                     |     |
| 54                                                                                   | 71.4                                                                                 | 271.1                                                                                | 74,900                                                                               | 74.0                                                                                 | 272.3                                                                                | 88,500                                                                               |                                                                                       |                                                                                        | 54                                                                                     |     |
| 55                                                                                   | 71.3                                                                                 | 270.8                                                                                | 74,700                                                                               | 73.6                                                                                 | 272.0                                                                                | 88,500                                                                               |                                                                                       |                                                                                        | 55                                                                                     |     |
| 60                                                                                   | 69.0                                                                                 | 268.9                                                                                | 72,200                                                                               | 71.3                                                                                 | 270.4                                                                                | 86,300                                                                               |                                                                                       |                                                                                        | 60                                                                                     |     |
| 65                                                                                   | 66.6                                                                                 | 266.8                                                                                | 70,500                                                                               | 68.9                                                                                 | 268.5                                                                                | 81,900                                                                               |                                                                                       |                                                                                        | 65                                                                                     |     |
| 68                                                                                   | 64.8                                                                                 | 265.4                                                                                | 69,400                                                                               | 66.8                                                                                 | 267.2                                                                                | 79,500                                                                               | 70.9                                                                                  | 269.3                                                                                  | 80,200                                                                                 | 68  |
| 70                                                                                   | 64.1                                                                                 | 264.4                                                                                | 68,700                                                                               | 66.5                                                                                 | 266.4                                                                                | 77,900                                                                               | 70.0                                                                                  | 268.6                                                                                  | 77,200                                                                                 | 70  |
| 75                                                                                   | 61.7                                                                                 | 261.8                                                                                | 64,000                                                                               | 64.1                                                                                 | 264.0                                                                                | 74,000                                                                               | 67.6                                                                                  | 266.6                                                                                  | 70,600                                                                                 | 75  |
| 80                                                                                   | 59.1                                                                                 | 258.9                                                                                | 59,500                                                                               | 61.6                                                                                 | 261.4                                                                                | 68,000                                                                               | 65.2                                                                                  | 264.3                                                                                  | 64,900                                                                                 | 80  |
| 82                                                                                   | 57.8                                                                                 | 257.6                                                                                | 57,900                                                                               | 60.2                                                                                 | 260.2                                                                                | 66,000                                                                               | 63.8                                                                                  | 263.3                                                                                  | 62,900                                                                                 | 82  |
| 85                                                                                   | 56.5                                                                                 | 255.7                                                                                | 55,400                                                                               | 59.0                                                                                 | 258.5                                                                                | 62,900                                                                               | 62.7                                                                                  | 261.8                                                                                  | 60,000                                                                                 | 85  |
| 90                                                                                   | 53.8                                                                                 | 252.1                                                                                | 51,500                                                                               | 56.4                                                                                 | 255.3                                                                                | 58,400                                                                               | 60.2                                                                                  | 259.1                                                                                  | 55,700                                                                                 | 90  |
| 95                                                                                   | 51.0                                                                                 | 248.2                                                                                | 47,800                                                                               | 53.7                                                                                 | 251.7                                                                                | 54,400                                                                               | 57.6                                                                                  | 256.0                                                                                  | 51,900                                                                                 | 95  |
| 100                                                                                  | 48.1                                                                                 | 243.8                                                                                | 44,500                                                                               | 50.9                                                                                 | 247.8                                                                                | 50,900                                                                               | 55.0                                                                                  | 252.6                                                                                  | 48,500                                                                                 | 100 |
| 104                                                                                  | 44.8                                                                                 | 240.0                                                                                | 42,100                                                                               | 47.6                                                                                 | 244.3                                                                                | 48,300                                                                               | 52.4                                                                                  | 249.5                                                                                  | 46,000                                                                                 | 104 |
| 105                                                                                  | 45.0                                                                                 | 239.0                                                                                | 41,500                                                                               | 48.0                                                                                 | 243.4                                                                                | 47,700                                                                               | 52.2                                                                                  | 248.8                                                                                  | 45,400                                                                                 | 105 |
| 110                                                                                  | 41.7                                                                                 | 233.6                                                                                | 38,800                                                                               | 44.9                                                                                 | 238.5                                                                                | 44,900                                                                               | 49.3                                                                                  | 244.6                                                                                  | 42,700                                                                                 | 110 |
| 115                                                                                  | 38.3                                                                                 | 227.5                                                                                | 36,300                                                                               | 41.7                                                                                 | 233.1                                                                                | 42,300                                                                               | 46.3                                                                                  | 240.0                                                                                  | 40,200                                                                                 | 115 |
| 120                                                                                  | 34.5                                                                                 | 220.6                                                                                | 34,300                                                                               | 38.2                                                                                 | 227.0                                                                                | 39,900                                                                               | 43.2                                                                                  | 234.9                                                                                  | 38,000                                                                                 | 120 |
| 125                                                                                  | 30.3                                                                                 | 212.5                                                                                | 32,400                                                                               | 34.4                                                                                 | 220.1                                                                                | 37,700                                                                               | 39.8                                                                                  | 229.1                                                                                  | 35,900                                                                                 | 125 |
| 130                                                                                  | 25.5                                                                                 | 202.9                                                                                | 31,000                                                                               | 30.2                                                                                 | 212.0                                                                                | 35,800                                                                               | 36.2                                                                                  | 222.6                                                                                  | 34,000                                                                                 | 130 |
| 135                                                                                  | 19.7                                                                                 | 190.5                                                                                | 29,900                                                                               | 25.4                                                                                 | 202.3                                                                                | 33,900                                                                               | 32.2                                                                                  | 215.0                                                                                  | 32,200                                                                                 | 135 |
| 140                                                                                  | 11.0                                                                                 | 171.5                                                                                | 29,600                                                                               | 19.5                                                                                 | 189.8                                                                                | 32,200                                                                               | 27.7                                                                                  | 206.1                                                                                  | 30,600                                                                                 | 140 |
| 142                                                                                  | 3.2                                                                                  | 154.1                                                                                | 27,300                                                                               | 15.4                                                                                 | 182.1                                                                                | 31,500                                                                               | 25.0                                                                                  | 201.7                                                                                  | 30,000                                                                                 | 142 |
| 145                                                                                  |                                                                                      |                                                                                      |                                                                                      | 10.7                                                                                 | 170.5                                                                                | 30,600                                                                               | 22.4                                                                                  | 195.2                                                                                  | 29,100                                                                                 | 145 |
| 146                                                                                  |                                                                                      |                                                                                      |                                                                                      | 5.5                                                                                  | 160.1                                                                                | 28,900                                                                               | 20.6                                                                                  | 192.1                                                                                  | 28,800                                                                                 | 146 |
| 147                                                                                  |                                                                                      |                                                                                      |                                                                                      | 1.5                                                                                  | 149.8                                                                                | 27,300                                                                               | 19.2                                                                                  | 189.1                                                                                  | 28,500                                                                                 | 147 |
| 150                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 15.4                                                                                  | 180.0                                                                                  | 27,600                                                                                 | 150 |
| 154                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 4.5                                                                                   | 155.7                                                                                  | 26,500                                                                                 | 154 |
| 155                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 155 |
| 160                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 160 |
| 161                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 161 |
| 165                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 165 |
| 170                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 170 |
| 173                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 173 |
| 175                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 175 |
| 180                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 180 |
| 185                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 185 |
| 190                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 190 |
| 195                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 195 |
| 196                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 196 |

# MLC250 S-2

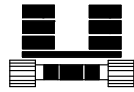
ASME B30.5



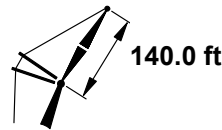
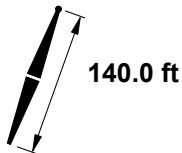
184,600 lb  
+  
44,000 lb

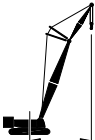
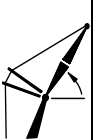
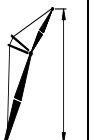
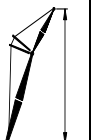
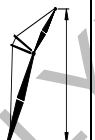


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  | 67.7 | 265.5 | 59,900 |      |       |        |      |       |        |      |       |        | 82  |
| 85  | 66.3 | 264.2 | 57,100 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.8 | 261.8 | 53,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 61.3 | 259.1 | 49,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 58.8 | 256.2 | 46,100 |      |       |        |      |       |        |      |       |        | 100 |
| 104 | 56.4 | 253.6 | 43,700 | 62.8 | 257.9 | 39,900 |      |       |        |      |       |        | 104 |
| 105 | 56.2 | 252.9 | 43,200 | 62.3 | 257.3 | 39,400 |      |       |        |      |       |        | 105 |
| 110 | 53.4 | 249.3 | 40,500 | 59.8 | 254.5 | 37,000 |      |       |        |      |       |        | 110 |
| 115 | 50.6 | 245.3 | 38,200 | 57.2 | 251.4 | 34,800 |      |       |        |      |       |        | 115 |
| 120 | 47.7 | 240.9 | 36,000 | 54.5 | 247.9 | 32,800 |      |       |        |      |       |        | 120 |
| 125 | 44.6 | 236.0 | 34,000 | 51.7 | 244.0 | 31,000 | 58.0 | 248.5 | 27,900 |      |       |        | 125 |
| 130 | 41.3 | 230.5 | 32,200 | 48.8 | 239.8 | 29,300 | 55.3 | 245.2 | 26,400 |      |       |        | 130 |
| 135 | 37.8 | 224.4 | 30,500 | 45.8 | 235.1 | 27,700 | 52.6 | 241.4 | 25,000 |      |       |        | 135 |
| 140 | 34.0 | 217.3 | 29,000 | 42.6 | 229.8 | 26,300 | 49.7 | 237.3 | 23,600 |      |       |        | 140 |
| 142 | 32.0 | 214.0 | 28,400 | 40.8 | 227.5 | 25,800 | 47.8 | 235.5 | 23,100 |      |       |        | 142 |
| 145 | 29.8 | 209.1 | 27,500 | 39.2 | 224.0 | 25,000 | 46.8 | 232.8 | 22,400 |      |       |        | 145 |
| 146 | 28.0 | 207.1 | 27,300 | 38.2 | 222.6 | 24,700 | 45.4 | 231.8 | 22,200 | 52.7 | 236.8 | 19,700 | 146 |
| 147 | 27.0 | 205.1 | 27,000 | 37.4 | 221.3 | 24,500 | 44.8 | 230.8 | 22,000 | 51.5 | 235.9 | 19,500 | 147 |
| 150 | 24.9 | 199.2 | 26,200 | 35.5 | 217.3 | 23,700 | 43.6 | 227.7 | 21,300 | 50.4 | 233.5 | 18,900 | 150 |
| 154 | 19.2 | 188.9 | 25,100 | 31.8 | 211.1 | 22,800 | 40.6 | 223.2 | 20,400 | 47.6 | 230.0 | 18,100 | 154 |
| 155 | 18.8 | 186.4 | 24,900 | 31.4 | 209.5 | 22,500 | 40.3 | 222.0 | 20,200 | 47.5 | 229.1 | 17,900 | 155 |
| 160 | 9.4  | 165.6 | 23,600 | 26.8 | 200.3 | 21,400 | 36.7 | 215.6 | 19,200 | 44.4 | 224.1 | 17,000 | 160 |
| 161 | 5.8  | 157.4 | 23,400 | 25.0 | 198.0 | 21,200 | 35.2 | 214.2 | 19,000 | 43.4 | 223.0 | 16,800 | 161 |
| 165 |      |       |        | 21.3 | 188.8 | 20,400 | 32.8 | 208.3 | 18,200 | 41.1 | 218.6 | 16,100 | 165 |
| 170 |      |       |        | 13.7 | 172.4 | 19,400 | 28.4 | 199.6 | 17,400 | 37.6 | 212.4 | 15,300 | 170 |
| 173 |      |       |        | 5.2  | 153.2 | 18,800 | 25.0 | 193.2 | 16,800 | 34.6 | 208.1 | 14,800 | 173 |
| 175 |      |       |        |      |       |        | 23.2 | 189.0 | 16,500 | 33.8 | 205.3 | 14,500 | 175 |
| 180 |      |       |        |      |       |        | 16.5 | 174.7 | 15,700 | 29.5 | 197.0 | 13,800 | 180 |
| 185 |      |       |        |      |       |        | 1.0  | 139.9 | 14,800 | 24.5 | 186.9 | 13,100 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 18.4 | 173.8 | 12,400 | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 8.4  | 151.8 | 11,700 | 195 |
| 196 |      |       |        |      |       |        |      |       |        | 3.8  | 141.5 | 11,600 | 196 |



184,600 lb  
+  
44,000 lb



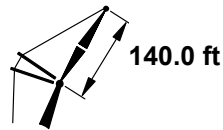
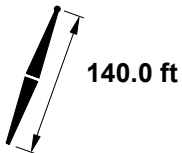
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 48                                                                                | 75.7                                                                                  | 283.4                                                                             | 70,900 b                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 48                                                                                  |
| 50                                                                                | 74.8                                                                                  | 282.8                                                                             | 70,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 72.7                                                                                  | 281.3                                                                             | 68,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 57                                                                                | 71.2                                                                                  | 280.6                                                                             | 67,600                                                                            | 73.9                                                                                  | 281.9                                                                             | 82,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 70.5                                                                                  | 279.6                                                                             | 66,700                                                                            | 72.7                                                                                  | 280.9                                                                             | 81,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 68.3                                                                                  | 277.7                                                                             | 66,100                                                                            | 70.5                                                                                  | 279.2                                                                             | 79,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 66.1                                                                                  | 275.5                                                                             | 64,700                                                                            | 68.3                                                                                  | 277.3                                                                             | 75,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 72                                                                                | 64.8                                                                                  | 274.6                                                                             | 63,500                                                                            | 67.2                                                                                  | 276.4                                                                             | 74,000                                                                            | 70.6                                                                                    | 278.5                                                                               | 73,900                                                                              | 72                                                                                  |
| 75                                                                                | 63.9                                                                                  | 273.1                                                                             | 61,700                                                                            | 66.1                                                                                  | 275.1                                                                             | 71,800                                                                            | 69.3                                                                                    | 277.4                                                                               | 70,100                                                                              | 75                                                                                  |
| 80                                                                                | 61.5                                                                                  | 270.5                                                                             | 57,700                                                                            | 63.8                                                                                  | 272.7                                                                             | 67,600                                                                            | 67.1                                                                                    | 275.3                                                                               | 64,400                                                                              | 80                                                                                  |
| 85                                                                                | 59.2                                                                                  | 267.6                                                                             | 53,800                                                                            | 61.5                                                                                  | 270.1                                                                             | 62,500                                                                            | 64.8                                                                                    | 273.0                                                                               | 59,500                                                                              | 85                                                                                  |
| 86                                                                                | 58.4                                                                                  | 266.9                                                                             | 53,100                                                                            | 60.6                                                                                  | 269.5                                                                             | 61,600                                                                            | 63.6                                                                                    | 272.5                                                                               | 58,600                                                                              | 86                                                                                  |
| 90                                                                                | 56.7                                                                                  | 264.4                                                                             | 50,200                                                                            | 59.1                                                                                  | 267.2                                                                             | 58,000                                                                            | 62.5                                                                                    | 270.5                                                                               | 55,200                                                                              | 90                                                                                  |
| 95                                                                                | 54.2                                                                                  | 260.9                                                                             | 46,900                                                                            | 56.7                                                                                  | 264.0                                                                             | 54,000                                                                            | 60.2                                                                                    | 267.7                                                                               | 51,400                                                                              | 95                                                                                  |
| 100                                                                               | 51.7                                                                                  | 257.0                                                                             | 43,800                                                                            | 54.2                                                                                  | 260.4                                                                             | 50,500                                                                            | 57.8                                                                                    | 264.6                                                                               | 48,000                                                                              | 100                                                                                 |
| 105                                                                               | 49.0                                                                                  | 252.8                                                                             | 40,800                                                                            | 51.6                                                                                  | 256.6                                                                             | 47,300                                                                            | 55.3                                                                                    | 261.3                                                                               | 45,000                                                                              | 105                                                                                 |
| 109                                                                               | 46.4                                                                                  | 249.1                                                                             | 38,700                                                                            | 48.6                                                                                  | 253.2                                                                             | 45,000                                                                            | 52.6                                                                                    | 258.3                                                                               | 42,800                                                                              | 109                                                                                 |
| 110                                                                               | 46.2                                                                                  | 248.1                                                                             | 38,200                                                                            | 48.9                                                                                  | 252.4                                                                             | 44,400                                                                            | 52.8                                                                                    | 257.6                                                                               | 42,200                                                                              | 110                                                                                 |
| 115                                                                               | 43.2                                                                                  | 243.0                                                                             | 35,800                                                                            | 46.1                                                                                  | 247.7                                                                             | 41,900                                                                            | 50.2                                                                                    | 253.5                                                                               | 39,800                                                                              | 115                                                                                 |
| 120                                                                               | 40.1                                                                                  | 237.3                                                                             | 33,600                                                                            | 43.2                                                                                  | 242.5                                                                             | 39,500                                                                            | 47.4                                                                                    | 249.1                                                                               | 37,500                                                                              | 120                                                                                 |
| 125                                                                               | 36.8                                                                                  | 230.9                                                                             | 31,700                                                                            | 40.1                                                                                  | 236.8                                                                             | 37,400                                                                            | 44.5                                                                                    | 244.1                                                                               | 35,500                                                                              | 125                                                                                 |
| 130                                                                               | 33.2                                                                                  | 223.6                                                                             | 30,000                                                                            | 36.7                                                                                  | 230.4                                                                             | 35,400                                                                            | 41.5                                                                                    | 238.7                                                                               | 33,600                                                                              | 130                                                                                 |
| 131                                                                               | 32.2                                                                                  | 221.9                                                                             | 29,700                                                                            | 35.4                                                                                  | 228.9                                                                             | 35,000                                                                            | 40.4                                                                                    | 237.5                                                                               | 33,200                                                                              | 131                                                                                 |
| 135                                                                               | 29.2                                                                                  | 215.1                                                                             | 28,500                                                                            | 33.1                                                                                  | 223.1                                                                             | 33,600                                                                            | 38.3                                                                                    | 232.6                                                                               | 31,800                                                                              | 135                                                                                 |
| 140                                                                               | 24.6                                                                                  | 205.1                                                                             | 27,300                                                                            | 29.1                                                                                  | 214.6                                                                             | 31,800                                                                            | 34.8                                                                                    | 225.7                                                                               | 30,200                                                                              | 140                                                                                 |
| 145                                                                               | 18.9                                                                                  | 192.2                                                                             | 26,500                                                                            | 24.4                                                                                  | 204.4                                                                             | 30,300                                                                            | 31.0                                                                                    | 217.8                                                                               | 28,700                                                                              | 145                                                                                 |
| 150                                                                               | 10.6                                                                                  | 172.4                                                                             | 26,300                                                                            | 18.7                                                                                  | 191.5                                                                             | 28,800                                                                            | 26.7                                                                                    | 208.5                                                                               | 27,300                                                                              | 150                                                                                 |
| 152                                                                               | 3.1                                                                                   | 154.3                                                                             | 24,000                                                                            | 14.8                                                                                  | 183.4                                                                             | 28,200                                                                            | 24.0                                                                                    | 203.9                                                                               | 26,800                                                                              | 152                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   | 10.3                                                                                  | 171.4                                                                             | 27,400                                                                            | 21.5                                                                                    | 197.0                                                                               | 26,000                                                                              | 155                                                                                 |
| 157                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.4                                                                                   | 149.8                                                                             | 24,100                                                                            | 18.2                                                                                    | 190.7                                                                               | 25,500                                                                              | 157                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 14.8                                                                                    | 181.3                                                                               | 24,700                                                                              | 160                                                                                 |
| 164                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.3                                                                                     | 156.0                                                                               | 23,700                                                                              | 164                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 171                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 171                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 183                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 183                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 206                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 206                                                                                 |

# MLC250 S-2

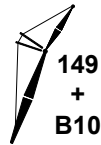
ASME B30.5



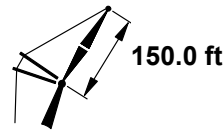
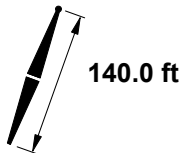
184,600 lb  
+  
44,000 lb

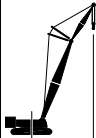
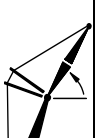
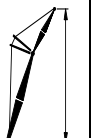
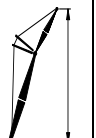
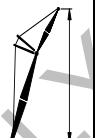
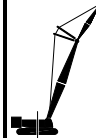


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 86  | 67.6 | 274.6 | 55,700 |      |       |        |      |       |        |      |       |        | 86  |
| 90  | 65.8 | 272.9 | 52,400 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.6 | 270.5 | 48,800 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 61.3 | 267.8 | 45,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 58.9 | 264.8 | 42,600 |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 56.4 | 262.3 | 40,600 | 62.6 | 266.5 | 36,900 |      |       |        |      |       |        | 109 |
| 110 | 56.4 | 261.6 | 40,000 | 62.1 | 266.0 | 36,400 |      |       |        |      |       |        | 110 |
| 115 | 53.9 | 258.1 | 37,700 | 59.8 | 263.2 | 34,200 |      |       |        |      |       |        | 115 |
| 120 | 51.3 | 254.2 | 35,500 | 57.4 | 260.0 | 32,200 |      |       |        |      |       |        | 120 |
| 125 | 48.6 | 249.9 | 33,500 | 54.9 | 256.6 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 45.8 | 245.2 | 31,700 | 52.3 | 252.9 | 28,700 |      |       |        |      |       |        | 130 |
| 131 | 44.4 | 244.1 | 31,400 | 51.4 | 252.0 | 28,400 | 57.7 | 256.6 | 25,500 |      |       |        | 131 |
| 135 | 42.9 | 240.0 | 30,100 | 49.7 | 248.7 | 27,200 | 55.7 | 253.9 | 24,400 |      |       |        | 135 |
| 140 | 39.7 | 234.2 | 28,500 | 46.9 | 244.2 | 25,800 | 53.2 | 250.2 | 23,100 |      |       |        | 140 |
| 145 | 36.4 | 227.7 | 27,100 | 44.0 | 239.2 | 24,400 | 50.5 | 246.2 | 21,800 |      |       |        | 145 |
| 150 | 32.7 | 220.3 | 25,800 | 41.0 | 233.6 | 23,200 | 47.8 | 241.8 | 20,700 |      |       |        | 150 |
| 152 | 30.4 | 216.8 | 25,300 | 38.8 | 231.1 | 22,700 | 45.8 | 239.9 | 20,300 | 52.7 | 244.8 | 17,900 | 152 |
| 155 | 28.7 | 211.7 | 24,500 | 37.7 | 227.4 | 22,100 | 44.9 | 237.0 | 19,600 | 51.2 | 242.4 | 17,300 | 155 |
| 157 | 26.0 | 207.5 | 24,000 | 35.8 | 224.6 | 21,600 | 42.8 | 234.8 | 19,200 | 49.8 | 240.6 | 16,900 | 157 |
| 160 | 24.0 | 201.3 | 23,300 | 34.1 | 220.3 | 21,000 | 41.9 | 231.6 | 18,600 | 48.5 | 238.1 | 16,400 | 160 |
| 164 | 19.0 | 190.6 | 22,400 | 30.8 | 213.9 | 20,200 | 38.6 | 226.8 | 17,900 | 45.6 | 234.3 | 15,700 | 164 |
| 165 | 18.1 | 187.9 | 22,200 | 30.3 | 212.2 | 20,000 | 38.7 | 225.6 | 17,700 | 45.7 | 233.3 | 15,500 | 165 |
| 170 | 9.0  | 166.3 | 21,100 | 25.8 | 202.6 | 19,000 | 35.3 | 218.8 | 16,800 | 42.7 | 228.1 | 14,700 | 170 |
| 171 | 5.5  | 157.9 | 20,900 | 24.0 | 200.2 | 18,800 | 34.2 | 217.3 | 16,700 | 41.4 | 226.9 | 14,600 | 171 |
| 175 |      |       |        | 20.5 | 190.6 | 18,100 | 31.5 | 211.1 | 16,000 | 39.5 | 222.2 | 14,000 | 175 |
| 180 |      |       |        | 13.2 | 173.6 | 17,200 | 27.3 | 202.0 | 15,200 | 36.2 | 215.7 | 13,300 | 180 |
| 183 |      |       |        | 4.9  | 153.6 | 16,600 | 24.0 | 195.4 | 14,800 | 33.6 | 211.2 | 12,800 | 183 |
| 185 |      |       |        |      |       |        | 22.3 | 190.9 | 14,500 | 32.5 | 208.2 | 12,600 | 185 |
| 190 |      |       |        |      |       |        | 15.9 | 176.1 | 13,700 | 28.4 | 199.5 | 11,900 | 190 |
| 195 |      |       |        |      |       |        | 0.9  | 139.9 | 12,900 | 23.6 | 189.0 | 11,300 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 17.7 | 175.4 | 10,700 | 200 |
| 205 |      |       |        |      |       |        |      |       |        | 8.1  | 152.5 | 10,100 | 205 |
| 206 |      |       |        |      |       |        |      |       |        | 3.7  | 141.8 | 9,900  | 206 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 50                                                                                | 75.9                                                                                  | 293.2                                                                             | 64,700 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 73.9                                                                                  | 291.8                                                                             | 62,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 71.9                                                                                  | 290.2                                                                             | 61,700                                                                            | 73.8                                                                                  | 291.4                                                                             | 74,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 69.9                                                                                  | 288.4                                                                             | 61,200                                                                            | 71.8                                                                                  | 289.8                                                                             | 74,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 67.8                                                                                  | 286.4                                                                             | 59,400                                                                            | 69.8                                                                                  | 288.0                                                                             | 73,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 65.7                                                                                  | 284.2                                                                             | 58,200                                                                            | 67.8                                                                                  | 286.0                                                                             | 69,800                                                                            | 70.7                                                                                    | 288.0                                                                               | 69,900                                                                              | 75                                                                                  |
| 80                                                                                | 63.6                                                                                  | 281.8                                                                             | 55,700                                                                            | 65.7                                                                                  | 283.8                                                                             | 66,200                                                                            | 68.7                                                                                    | 286.1                                                                               | 64,200                                                                              | 80                                                                                  |
| 85                                                                                | 61.4                                                                                  | 279.1                                                                             | 52,200                                                                            | 63.5                                                                                  | 281.4                                                                             | 62,300                                                                            | 66.6                                                                                    | 284.0                                                                               | 59,300                                                                              | 85                                                                                  |
| 89                                                                                | 59.4                                                                                  | 276.8                                                                             | 49,600                                                                            | 61.4                                                                                  | 279.3                                                                             | 58,700                                                                            | 64.4                                                                                    | 282.2                                                                               | 55,900                                                                              | 89                                                                                  |
| 90                                                                                | 59.2                                                                                  | 276.2                                                                             | 48,900                                                                            | 61.4                                                                                  | 278.7                                                                             | 57,800                                                                            | 64.5                                                                                    | 281.7                                                                               | 55,000                                                                              | 90                                                                                  |
| 95                                                                                | 57.0                                                                                  | 273.1                                                                             | 45,800                                                                            | 59.2                                                                                  | 275.8                                                                             | 53,800                                                                            | 62.4                                                                                    | 279.2                                                                               | 51,200                                                                              | 95                                                                                  |
| 100                                                                               | 54.6                                                                                  | 269.6                                                                             | 43,000                                                                            | 56.9                                                                                  | 272.6                                                                             | 50,300                                                                            | 60.2                                                                                    | 276.4                                                                               | 47,800                                                                              | 100                                                                                 |
| 105                                                                               | 52.2                                                                                  | 265.8                                                                             | 40,200                                                                            | 54.6                                                                                  | 269.2                                                                             | 47,100                                                                            | 57.9                                                                                    | 273.3                                                                               | 44,800                                                                              | 105                                                                                 |
| 110                                                                               | 49.8                                                                                  | 261.7                                                                             | 37,600                                                                            | 52.2                                                                                  | 265.4                                                                             | 44,300                                                                            | 55.7                                                                                    | 270.0                                                                               | 42,100                                                                              | 110                                                                                 |
| 113                                                                               | 47.8                                                                                  | 259.0                                                                             | 36,200                                                                            | 50.2                                                                                  | 262.9                                                                             | 42,700                                                                            | 53.8                                                                                    | 267.8                                                                               | 40,600                                                                              | 113                                                                                 |
| 115                                                                               | 47.2                                                                                  | 257.2                                                                             | 35,300                                                                            | 49.7                                                                                  | 261.3                                                                             | 41,700                                                                            | 53.3                                                                                    | 266.3                                                                               | 39,600                                                                              | 115                                                                                 |
| 120                                                                               | 44.5                                                                                  | 252.3                                                                             | 33,200                                                                            | 47.1                                                                                  | 256.8                                                                             | 39,400                                                                            | 50.9                                                                                    | 262.4                                                                               | 37,400                                                                              | 120                                                                                 |
| 125                                                                               | 41.7                                                                                  | 246.8                                                                             | 31,200                                                                            | 44.5                                                                                  | 251.8                                                                             | 37,200                                                                            | 48.3                                                                                    | 258.0                                                                               | 35,300                                                                              | 125                                                                                 |
| 130                                                                               | 38.7                                                                                  | 240.8                                                                             | 29,500                                                                            | 41.6                                                                                  | 246.4                                                                             | 35,300                                                                            | 45.7                                                                                    | 253.3                                                                               | 33,400                                                                              | 130                                                                                 |
| 135                                                                               | 35.5                                                                                  | 234.1                                                                             | 27,900                                                                            | 38.6                                                                                  | 240.3                                                                             | 33,300                                                                            | 42.9                                                                                    | 248.1                                                                               | 31,700                                                                              | 135                                                                                 |
| 136                                                                               | 34.4                                                                                  | 232.5                                                                             | 27,600                                                                            | 37.4                                                                                  | 239.0                                                                             | 32,900                                                                            | 41.6                                                                                    | 246.9                                                                               | 31,400                                                                              | 136                                                                                 |
| 140                                                                               | 32.0                                                                                  | 226.5                                                                             | 26,500                                                                            | 35.4                                                                                  | 233.6                                                                             | 31,400                                                                            | 40.0                                                                                    | 242.3                                                                               | 30,100                                                                              | 140                                                                                 |
| 145                                                                               | 28.2                                                                                  | 217.7                                                                             | 25,300                                                                            | 31.9                                                                                  | 225.9                                                                             | 29,800                                                                            | 36.9                                                                                    | 235.9                                                                               | 28,600                                                                              | 145                                                                                 |
| 150                                                                               | 23.7                                                                                  | 207.1                                                                             | 24,400                                                                            | 28.1                                                                                  | 217.1                                                                             | 28,300                                                                            | 33.6                                                                                    | 228.7                                                                               | 27,200                                                                              | 150                                                                                 |
| 155                                                                               | 18.2                                                                                  | 193.8                                                                             | 23,700                                                                            | 23.6                                                                                  | 206.5                                                                             | 27,100                                                                            | 29.9                                                                                    | 220.5                                                                               | 25,900                                                                              | 155                                                                                 |
| 158                                                                               | 13.2                                                                                  | 181.5                                                                             | 23,600                                                                            | 20.0                                                                                  | 198.4                                                                             | 26,500                                                                            | 26.6                                                                                    | 214.7                                                                               | 25,100                                                                              | 158                                                                                 |
| 160                                                                               | 10.2                                                                                  | 173.3                                                                             | 23,600                                                                            | 18.1                                                                                  | 193.0                                                                             | 26,100                                                                            | 25.7                                                                                    | 210.8                                                                               | 24,700                                                                              | 160                                                                                 |
| 162                                                                               | 3.0                                                                                   | 154.5                                                                             | 21,400                                                                            | 14.4                                                                                  | 184.7                                                                             | 25,600                                                                            | 23.0                                                                                    | 206.0                                                                               | 24,200                                                                              | 162                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   | 9.9                                                                                   | 172.2                                                                             | 24,800                                                                            | 20.8                                                                                    | 198.9                                                                               | 23,500                                                                              | 165                                                                                 |
| 167                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.3                                                                                   | 149.9                                                                             | 21,500                                                                            | 17.6                                                                                    | 192.3                                                                               | 23,100                                                                              | 167                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 14.3                                                                                    | 182.5                                                                               | 22,400                                                                              | 170                                                                                 |
| 174                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.1                                                                                     | 156.4                                                                               | 21,500                                                                              | 174                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 181                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 181                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 193                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 193                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 215                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 215                                                                                 |
| 216                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 216                                                                                 |

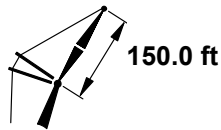
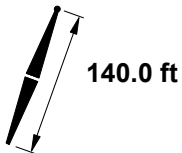


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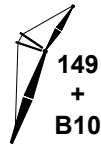
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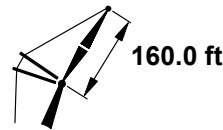
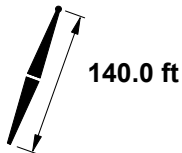
184,600 lb  
+  
44,000 lb

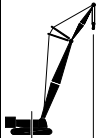
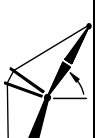
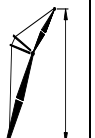
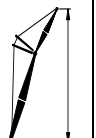
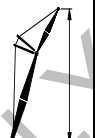
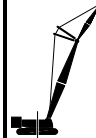


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 89  | 68.0 | 284.2 | 53,000 |      |       |        |      |       |        |      |       |        | 89  |
| 90  | 67.6 | 283.8 | 52,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 65.5 | 281.6 | 48,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 63.3 | 279.1 | 45,400 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.2 | 276.4 | 42,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 59.0 | 273.5 | 39,900 |      |       |        |      |       |        |      |       |        | 110 |
| 113 | 56.8 | 271.6 | 38,400 | 62.9 | 275.7 | 34,900 |      |       |        |      |       |        | 113 |
| 115 | 56.7 | 270.3 | 37,500 | 62.0 | 274.7 | 34,000 |      |       |        |      |       |        | 115 |
| 120 | 54.4 | 266.8 | 35,300 | 59.8 | 271.8 | 32,000 |      |       |        |      |       |        | 120 |
| 125 | 52.0 | 263.0 | 33,400 | 57.5 | 268.7 | 30,200 |      |       |        |      |       |        | 125 |
| 130 | 49.5 | 258.8 | 31,600 | 55.2 | 265.3 | 28,600 |      |       |        |      |       |        | 130 |
| 135 | 46.9 | 254.3 | 29,900 | 52.9 | 261.6 | 27,000 |      |       |        |      |       |        | 135 |
| 136 | 45.6 | 253.3 | 29,600 | 51.6 | 260.8 | 26,700 | 57.8 | 265.2 | 23,900 |      |       |        | 136 |
| 140 | 44.2 | 249.3 | 28,400 | 50.4 | 257.6 | 25,600 | 56.0 | 262.6 | 22,900 |      |       |        | 140 |
| 145 | 41.3 | 243.8 | 27,000 | 47.9 | 253.2 | 24,300 | 53.6 | 259.0 | 21,700 |      |       |        | 145 |
| 150 | 38.3 | 237.7 | 25,600 | 45.2 | 248.4 | 23,000 | 51.2 | 255.1 | 20,500 |      |       |        | 150 |
| 155 | 35.1 | 230.9 | 24,400 | 42.4 | 243.1 | 21,900 | 48.7 | 250.8 | 19,500 |      |       |        | 155 |
| 158 | 32.6 | 226.2 | 23,700 | 40.2 | 239.6 | 21,300 | 46.8 | 248.0 | 18,900 | 52.8 | 252.8 | 16,500 | 158 |
| 160 | 31.6 | 223.1 | 23,200 | 39.5 | 237.2 | 20,800 | 46.1 | 246.1 | 18,500 | 51.8 | 251.2 | 16,200 | 160 |
| 162 | 29.4 | 219.5 | 22,800 | 37.8 | 234.6 | 20,400 | 44.8 | 244.0 | 18,100 | 50.2 | 249.5 | 15,900 | 162 |
| 165 | 27.7 | 214.1 | 22,100 | 36.3 | 230.7 | 19,800 | 43.3 | 241.0 | 17,600 | 49.3 | 247.0 | 15,300 | 165 |
| 167 | 25.4 | 209.8 | 21,700 | 34.4 | 227.7 | 19,400 | 41.8 | 238.7 | 17,200 | 47.8 | 245.2 | 15,000 | 167 |
| 170 | 23.1 | 203.3 | 21,100 | 32.9 | 223.3 | 18,900 | 40.4 | 235.3 | 16,700 | 46.7 | 242.4 | 14,600 | 170 |
| 174 | 18.2 | 192.2 | 20,300 | 29.6 | 216.5 | 18,200 | 37.6 | 230.2 | 16,000 | 44.4 | 238.4 | 14,000 | 174 |
| 175 | 17.5 | 189.5 | 20,100 | 29.2 | 214.8 | 18,000 | 37.4 | 229.0 | 15,900 | 44.0 | 237.4 | 13,800 | 175 |
| 180 | 8.7  | 167.1 | 19,100 | 24.9 | 204.8 | 17,100 | 34.1 | 221.9 | 15,100 | 41.2 | 231.9 | 13,100 | 180 |
| 181 | 5.3  | 158.3 | 18,900 | 23.0 | 202.3 | 17,000 | 33.2 | 220.3 | 14,900 | 40.4 | 230.6 | 13,000 | 181 |
| 185 |      |       |        | 19.8 | 192.4 | 16,300 | 30.4 | 213.8 | 14,400 | 38.1 | 225.7 | 12,400 | 185 |
| 190 |      |       |        | 12.7 | 174.7 | 15,500 | 26.3 | 204.4 | 13,700 | 34.9 | 218.8 | 11,800 | 190 |
| 193 |      |       |        | 4.8  | 154.0 | 15,000 | 23.0 | 197.4 | 13,200 | 32.2 | 214.1 | 11,400 | 193 |
| 195 |      |       |        |      |       |        | 21.5 | 192.8 | 13,000 | 31.3 | 211.0 | 11,200 | 195 |
| 200 |      |       |        |      |       |        | 15.3 | 177.4 | 12,300 | 27.4 | 201.9 | 10,600 | 200 |
| 205 |      |       |        |      |       |        | 0.8  | 139.9 | 11,600 | 22.8 | 191.0 | 10,000 | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 17.0 | 176.8 | 9,500  | 210 |
| 215 |      |       |        |      |       |        |      |       |        | 7.8  | 153.1 | 8,800  | 215 |
| 216 |      |       |        |      |       |        |      |       |        | 3.5  | 142.1 | 8,700  | 216 |



184,600 lb  
+  
44,000 lb



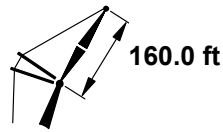
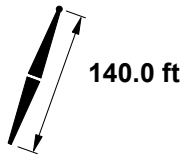
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 52                                                                                   | 76.0                                                                                  | 303.0                                                                                | 59,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 52                                                                                     |
| 55                                                                                   | 74.9                                                                                  | 302.2                                                                                | 58,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 73.1                                                                                  | 300.7                                                                                | 57,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 63                                                                                   | 71.8                                                                                  | 299.7                                                                                | 56,700                                                                               | 73.8                                                                                  | 300.9                                                                                | 67,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 63                                                                                     |
| 65                                                                                   | 71.2                                                                                  | 299.0                                                                                | 56,500                                                                               | 73.0                                                                                  | 300.3                                                                                | 67,700                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 69.3                                                                                  | 297.2                                                                                | 55,500                                                                               | 71.1                                                                                  | 298.7                                                                                | 67,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 67.3                                                                                  | 295.2                                                                                | 54,000                                                                               | 69.2                                                                                  | 296.8                                                                                | 65,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 78                                                                                   | 65.8                                                                                  | 293.8                                                                                | 53,500                                                                               | 67.8                                                                                  | 295.6                                                                                | 64,100                                                                               | 70.9                                                                                    | 297.6                                                                                  | 65,900                                                                                 | 78                                                                                     |
| 80                                                                                   | 65.4                                                                                  | 292.9                                                                                | 53,100                                                                               | 67.3                                                                                  | 294.8                                                                                | 63,000                                                                               | 70.1                                                                                    | 296.9                                                                                  | 63,700                                                                                 | 80                                                                                     |
| 85                                                                                   | 63.4                                                                                  | 290.5                                                                                | 50,400                                                                               | 65.3                                                                                  | 292.5                                                                                | 59,900                                                                               | 68.2                                                                                    | 294.9                                                                                  | 58,800                                                                                 | 85                                                                                     |
| 90                                                                                   | 61.3                                                                                  | 287.8                                                                                | 47,500                                                                               | 63.3                                                                                  | 290.1                                                                                | 56,800                                                                               | 66.2                                                                                    | 292.8                                                                                  | 54,500                                                                                 | 90                                                                                     |
| 93                                                                                   | 59.8                                                                                  | 286.1                                                                                | 45,700                                                                               | 61.8                                                                                  | 288.5                                                                                | 54,800                                                                               | 64.8                                                                                    | 291.3                                                                                  | 52,300                                                                                 | 93                                                                                     |
| 95                                                                                   | 59.3                                                                                  | 284.9                                                                                | 44,600                                                                               | 61.3                                                                                  | 287.4                                                                                | 53,400                                                                               | 64.2                                                                                    | 290.4                                                                                  | 50,700                                                                                 | 95                                                                                     |
| 100                                                                                  | 57.2                                                                                  | 281.7                                                                                | 41,900                                                                               | 59.2                                                                                  | 284.5                                                                                | 49,900                                                                               | 62.2                                                                                    | 287.8                                                                                  | 47,400                                                                                 | 100                                                                                    |
| 105                                                                                  | 55.0                                                                                  | 278.3                                                                                | 39,500                                                                               | 57.1                                                                                  | 281.3                                                                                | 46,700                                                                               | 60.2                                                                                    | 285.0                                                                                  | 44,300                                                                                 | 105                                                                                    |
| 110                                                                                  | 52.8                                                                                  | 274.6                                                                                | 37,100                                                                               | 54.9                                                                                  | 277.9                                                                                | 43,900                                                                               | 58.1                                                                                    | 282.0                                                                                  | 41,600                                                                                 | 110                                                                                    |
| 115                                                                                  | 50.5                                                                                  | 270.6                                                                                | 34,800                                                                               | 52.7                                                                                  | 274.2                                                                                | 41,300                                                                               | 55.9                                                                                    | 278.7                                                                                  | 39,100                                                                                 | 115                                                                                    |
| 118                                                                                  | 48.8                                                                                  | 268.0                                                                                | 33,500                                                                               | 50.8                                                                                  | 271.8                                                                                | 39,900                                                                               | 53.8                                                                                    | 276.5                                                                                  | 37,800                                                                                 | 118                                                                                    |
| 120                                                                                  | 48.1                                                                                  | 266.2                                                                                | 32,600                                                                               | 50.4                                                                                  | 270.1                                                                                | 39,000                                                                               | 53.7                                                                                    | 275.1                                                                                  | 36,900                                                                                 | 120                                                                                    |
| 125                                                                                  | 45.6                                                                                  | 261.4                                                                                | 30,800                                                                               | 48.0                                                                                  | 265.8                                                                                | 36,800                                                                               | 51.5                                                                                    | 271.2                                                                                  | 34,900                                                                                 | 125                                                                                    |
| 130                                                                                  | 43.0                                                                                  | 256.2                                                                                | 29,000                                                                               | 45.5                                                                                  | 261.0                                                                                | 34,900                                                                               | 49.1                                                                                    | 267.0                                                                                  | 33,000                                                                                 | 130                                                                                    |
| 135                                                                                  | 40.3                                                                                  | 250.5                                                                                | 27,400                                                                               | 43.0                                                                                  | 255.8                                                                                | 33,000                                                                               | 46.7                                                                                    | 262.4                                                                                  | 31,200                                                                                 | 135                                                                                    |
| 140                                                                                  | 37.4                                                                                  | 244.2                                                                                | 26,000                                                                               | 40.2                                                                                  | 250.0                                                                                | 31,100                                                                               | 44.2                                                                                    | 257.4                                                                                  | 29,600                                                                                 | 140                                                                                    |
| 141                                                                                  | 36.4                                                                                  | 242.8                                                                                | 25,700                                                                               | 39.4                                                                                  | 248.8                                                                                | 30,800                                                                               | 43.4                                                                                    | 256.3                                                                                  | 29,300                                                                                 | 141                                                                                    |
| 145                                                                                  | 34.3                                                                                  | 237.2                                                                                | 24,700                                                                               | 37.3                                                                                  | 243.7                                                                                | 29,400                                                                               | 41.5                                                                                    | 251.9                                                                                  | 28,100                                                                                 | 145                                                                                    |
| 150                                                                                  | 31.0                                                                                  | 229.2                                                                                | 23,600                                                                               | 34.2                                                                                  | 236.7                                                                                | 27,900                                                                               | 38.7                                                                                    | 245.9                                                                                  | 26,800                                                                                 | 150                                                                                    |
| 155                                                                                  | 27.2                                                                                  | 220.1                                                                                | 22,700                                                                               | 30.9                                                                                  | 228.7                                                                                | 26,500                                                                               | 35.7                                                                                    | 239.2                                                                                  | 25,500                                                                                 | 155                                                                                    |
| 160                                                                                  | 22.9                                                                                  | 209.2                                                                                | 21,800                                                                               | 27.1                                                                                  | 219.5                                                                                | 25,300                                                                               | 32.5                                                                                    | 231.6                                                                                  | 24,300                                                                                 | 160                                                                                    |
| 164                                                                                  | 18.0                                                                                  | 198.1                                                                                | 21,400                                                                               | 23.0                                                                                  | 210.7                                                                                | 24,500                                                                               | 28.8                                                                                    | 224.8                                                                                  | 23,400                                                                                 | 164                                                                                    |
| 165                                                                                  | 17.6                                                                                  | 195.3                                                                                | 21,300                                                                               | 22.8                                                                                  | 208.5                                                                                | 24,300                                                                               | 28.9                                                                                    | 223.1                                                                                  | 23,100                                                                                 | 165                                                                                    |
| 170                                                                                  | 9.8                                                                                   | 174.1                                                                                | 21,200                                                                               | 17.5                                                                                  | 194.5                                                                                | 23,400                                                                               | 24.9                                                                                    | 213.0                                                                                  | 22,000                                                                                 | 170                                                                                    |
| 172                                                                                  | 2.9                                                                                   | 154.7                                                                                | 18,800                                                                               | 13.8                                                                                  | 185.9                                                                                | 22,800                                                                               | 22.4                                                                                    | 208.0                                                                                  | 21,600                                                                                 | 172                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.6                                                                                   | 173.0                                                                                | 21,900                                                                               | 20.1                                                                                    | 200.6                                                                                  | 21,000                                                                                 | 175                                                                                    |
| 177                                                                                  |                                                                                       |                                                                                      |                                                                                      | 1.3                                                                                   | 149.9                                                                                | 18,900                                                                               | 17.2                                                                                    | 193.9                                                                                  | 20,600                                                                                 | 177                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 13.8                                                                                    | 183.7                                                                                  | 20,000                                                                                 | 180                                                                                    |
| 184                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.0                                                                                     | 156.7                                                                                  | 19,200                                                                                 | 184                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 191                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 191                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 203                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 203                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 226                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 226                                                                                    |

# MLC250 S-2

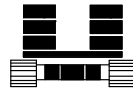
ASME B30.5



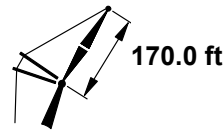
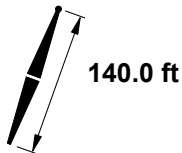
184,600 lb  
+  
44,000 lb

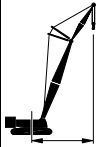
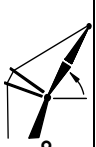
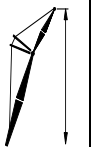
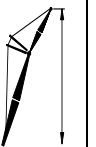
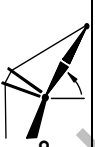
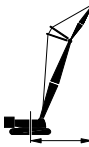


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 67.9 | 293.4 | 49,500 |      |       |        |      |       |        |      |       |        | 93  |
| 95  | 67.1 | 292.5 | 48,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.1 | 290.3 | 44,800 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.1 | 287.8 | 42,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.1 | 285.1 | 39,400 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 59.0 | 282.2 | 37,000 |      |       |        |      |       |        |      |       |        | 115 |
| 118 | 57.2 | 280.3 | 35,700 | 62.7 | 284.4 | 32,200 |      |       |        |      |       |        | 118 |
| 120 | 56.9 | 279.0 | 34,900 | 61.9 | 283.3 | 31,500 |      |       |        |      |       |        | 120 |
| 125 | 54.7 | 275.5 | 32,900 | 59.8 | 280.5 | 29,700 |      |       |        |      |       |        | 125 |
| 130 | 52.5 | 271.8 | 31,100 | 57.7 | 277.4 | 28,000 |      |       |        |      |       |        | 130 |
| 135 | 50.2 | 267.7 | 29,400 | 55.5 | 274.0 | 26,500 |      |       |        |      |       |        | 135 |
| 140 | 47.8 | 263.3 | 27,900 | 53.3 | 270.4 | 25,100 |      |       |        |      |       |        | 140 |
| 141 | 46.6 | 262.3 | 27,600 | 52.6 | 269.6 | 24,800 | 58.0 | 273.9 | 22,000 |      |       |        | 141 |
| 145 | 45.3 | 258.5 | 26,500 | 51.1 | 266.4 | 23,700 | 56.2 | 271.3 | 21,100 |      |       |        | 145 |
| 150 | 42.7 | 253.2 | 25,200 | 48.7 | 262.2 | 22,500 | 54.0 | 267.7 | 19,900 |      |       |        | 150 |
| 155 | 40.0 | 247.4 | 23,900 | 46.2 | 257.5 | 21,400 | 51.8 | 263.9 | 18,900 |      |       |        | 155 |
| 160 | 37.1 | 241.0 | 22,800 | 43.7 | 252.4 | 20,300 | 49.5 | 259.7 | 17,900 |      |       |        | 160 |
| 164 | 33.8 | 235.3 | 21,900 | 41.4 | 247.9 | 19,500 | 47.4 | 256.1 | 17,200 | 52.8 | 260.8 | 14,900 | 164 |
| 165 | 33.9 | 233.9 | 21,700 | 41.0 | 246.8 | 19,300 | 47.0 | 255.2 | 17,000 | 52.3 | 260.0 | 14,700 | 165 |
| 170 | 30.5 | 225.8 | 20,700 | 38.2 | 240.7 | 18,400 | 44.5 | 250.2 | 16,100 | 50.0 | 255.9 | 14,000 | 170 |
| 172 | 28.4 | 222.1 | 20,300 | 36.8 | 238.0 | 18,000 | 42.8 | 248.1 | 15,800 | 48.8 | 254.1 | 13,700 | 172 |
| 175 | 26.7 | 216.5 | 19,700 | 35.1 | 233.9 | 17,500 | 41.9 | 244.8 | 15,300 | 47.6 | 251.4 | 13,200 | 175 |
| 177 | 24.4 | 212.0 | 19,300 | 33.4 | 230.8 | 17,200 | 40.2 | 242.4 | 15,000 | 46.2 | 249.5 | 12,900 | 177 |
| 180 | 22.4 | 205.3 | 18,800 | 31.9 | 226.2 | 16,700 | 39.1 | 238.9 | 14,600 | 45.1 | 246.6 | 12,500 | 180 |
| 184 | 16.4 | 190.3 | 18,100 | 28.2 | 218.5 | 16,000 | 36.2 | 233.3 | 14,000 | 42.6 | 242.2 | 12,000 | 184 |
| 190 | 8.4  | 167.8 | 17,000 | 24.1 | 207.0 | 15,100 | 32.9 | 224.9 | 13,200 | 39.8 | 235.5 | 11,200 | 190 |
| 191 | 5.1  | 158.7 | 16,900 | 22.8 | 203.8 | 15,000 | 31.3 | 223.0 | 13,000 | 38.4 | 234.1 | 11,100 | 191 |
| 200 |      |       |        | 12.3 | 175.7 | 13,700 | 25.5 | 206.6 | 11,900 | 33.7 | 221.9 | 9,900  | 200 |
| 203 |      |       |        | 4.6  | 154.3 | 13,200 | 21.7 | 198.2 | 11,500 | 30.9 | 216.6 | 9,600  | 203 |
| 210 |      |       |        |      |       |        | 14.8 | 178.7 | 10,700 | 26.5 | 204.3 | 8,800  | 210 |
| 215 |      |       |        |      |       |        | 0.8  | 139.8 | 10,000 | 22.0 | 193.0 | 8,200  | 215 |
| 220 |      |       |        |      |       |        |      |       |        | 16.5 | 178.3 | 7,700  | 220 |
| 226 |      |       |        |      |       |        |      |       |        | 3.4  | 142.3 | 6,900  | 226 |



184,600 lb  
+  
44,000 lb



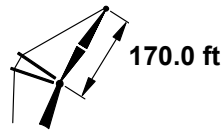
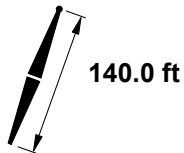
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 55                                                                                   | 75.8                                                                                  | 312.5                                                                                | 53,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 74.1                                                                                  | 311.2                                                                                | 52,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 72.3                                                                                  | 309.6                                                                                | 52,100                                                                               | 74.0                                                                                  | 310.8                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 70.5                                                                                  | 307.9                                                                                | 50,800                                                                               | 72.3                                                                                  | 309.2                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 68.7                                                                                  | 306.0                                                                                | 50,400                                                                               | 70.5                                                                                  | 307.5                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 66.9                                                                                  | 303.9                                                                                | 49,600                                                                               | 68.7                                                                                  | 305.6                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 81                                                                                   | 65.8                                                                                  | 303.4                                                                                | 49,300                                                                               | 67.6                                                                                  | 305.2                                                                                | 58,600                                                                               | 71.0                                                                                    | 307.1                                                                                  | 59,000                                                                                 | 81                                                                                     |
| 85                                                                                   | 65.1                                                                                  | 301.6                                                                                | 48,300                                                                               | 66.9                                                                                  | 303.5                                                                                | 57,400                                                                               | 69.5                                                                                    | 305.7                                                                                  | 58,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 63.2                                                                                  | 299.1                                                                                | 46,200                                                                               | 65.0                                                                                  | 301.2                                                                                | 54,800                                                                               | 67.7                                                                                    | 303.7                                                                                  | 54,200                                                                                 | 90                                                                                     |
| 95                                                                                   | 61.3                                                                                  | 296.5                                                                                | 43,700                                                                               | 63.1                                                                                  | 298.7                                                                                | 52,100                                                                               | 65.9                                                                                    | 301.5                                                                                  | 50,400                                                                                 | 95                                                                                     |
| 97                                                                                   | 60.2                                                                                  | 295.3                                                                                | 42,700                                                                               | 62.2                                                                                  | 297.7                                                                                | 51,100                                                                               | 64.2                                                                                    | 300.5                                                                                  | 49,000                                                                                 | 97                                                                                     |
| 100                                                                                  | 59.3                                                                                  | 293.6                                                                                | 41,200                                                                               | 61.2                                                                                  | 296.1                                                                                | 49,500                                                                               | 64.0                                                                                    | 299.1                                                                                  | 47,000                                                                                 | 100                                                                                    |
| 105                                                                                  | 57.3                                                                                  | 290.4                                                                                | 38,900                                                                               | 59.3                                                                                  | 293.2                                                                                | 46,400                                                                               | 62.1                                                                                    | 296.5                                                                                  | 44,000                                                                                 | 105                                                                                    |
| 110                                                                                  | 55.3                                                                                  | 287.0                                                                                | 36,600                                                                               | 57.3                                                                                  | 290.0                                                                                | 43,500                                                                               | 60.2                                                                                    | 293.7                                                                                  | 41,200                                                                                 | 110                                                                                    |
| 115                                                                                  | 53.2                                                                                  | 283.4                                                                                | 34,500                                                                               | 55.2                                                                                  | 286.6                                                                                | 41,000                                                                               | 58.2                                                                                    | 290.7                                                                                  | 38,800                                                                                 | 115                                                                                    |
| 120                                                                                  | 51.1                                                                                  | 279.4                                                                                | 32,600                                                                               | 53.2                                                                                  | 282.9                                                                                | 38,600                                                                               | 56.2                                                                                    | 287.4                                                                                  | 36,500                                                                                 | 120                                                                                    |
| 122                                                                                  | 49.8                                                                                  | 277.7                                                                                | 31,900                                                                               | 52.2                                                                                  | 281.4                                                                                | 37,800                                                                               | 55.2                                                                                    | 286.0                                                                                  | 35,700                                                                                 | 122                                                                                    |
| 125                                                                                  | 48.8                                                                                  | 275.2                                                                                | 30,700                                                                               | 51.0                                                                                  | 279.0                                                                                | 36,500                                                                               | 54.1                                                                                    | 283.8                                                                                  | 34,500                                                                                 | 125                                                                                    |
| 130                                                                                  | 46.5                                                                                  | 270.5                                                                                | 28,900                                                                               | 48.8                                                                                  | 274.7                                                                                | 34,500                                                                               | 52.0                                                                                    | 280.0                                                                                  | 32,600                                                                                 | 130                                                                                    |
| 135                                                                                  | 44.2                                                                                  | 265.5                                                                                | 27,400                                                                               | 46.5                                                                                  | 270.1                                                                                | 32,700                                                                               | 49.8                                                                                    | 275.9                                                                                  | 30,900                                                                                 | 135                                                                                    |
| 140                                                                                  | 41.7                                                                                  | 260.1                                                                                | 25,900                                                                               | 44.1                                                                                  | 265.1                                                                                | 31,000                                                                               | 47.5                                                                                    | 271.4                                                                                  | 29,300                                                                                 | 140                                                                                    |
| 145                                                                                  | 39.0                                                                                  | 254.1                                                                                | 24,600                                                                               | 41.6                                                                                  | 259.6                                                                                | 29,500                                                                               | 45.2                                                                                    | 266.6                                                                                  | 27,800                                                                                 | 145                                                                                    |
| 147                                                                                  | 37.8                                                                                  | 251.4                                                                                | 24,100                                                                               | 39.8                                                                                  | 257.2                                                                                | 28,900                                                                               | 43.8                                                                                    | 264.5                                                                                  | 27,300                                                                                 | 147                                                                                    |
| 150                                                                                  | 36.3                                                                                  | 247.5                                                                                | 23,400                                                                               | 39.0                                                                                  | 253.6                                                                                | 27,900                                                                               | 42.8                                                                                    | 261.3                                                                                  | 26,400                                                                                 | 150                                                                                    |
| 155                                                                                  | 33.3                                                                                  | 240.2                                                                                | 22,300                                                                               | 36.2                                                                                  | 247.0                                                                                | 26,500                                                                               | 40.2                                                                                    | 255.6                                                                                  | 25,100                                                                                 | 155                                                                                    |
| 160                                                                                  | 30.0                                                                                  | 231.9                                                                                | 21,300                                                                               | 33.2                                                                                  | 239.6                                                                                | 25,200                                                                               | 37.5                                                                                    | 249.3                                                                                  | 23,900                                                                                 | 160                                                                                    |
| 165                                                                                  | 26.4                                                                                  | 222.4                                                                                | 20,500                                                                               | 29.9                                                                                  | 231.4                                                                                | 24,000                                                                               | 34.6                                                                                    | 242.3                                                                                  | 22,800                                                                                 | 165                                                                                    |
| 170                                                                                  | 22.2                                                                                  | 211.1                                                                                | 19,900                                                                               | 26.3                                                                                  | 221.8                                                                                | 23,000                                                                               | 31.5                                                                                    | 234.5                                                                                  | 21,700                                                                                 | 170                                                                                    |
| 175                                                                                  | 17.1                                                                                  | 196.8                                                                                | 19,500                                                                               | 22.1                                                                                  | 210.5                                                                                | 22,100                                                                               | 28.0                                                                                    | 225.5                                                                                  | 20,700                                                                                 | 175                                                                                    |
| 180                                                                                  | 9.5                                                                                   | 174.9                                                                                | 19,000                                                                               | 17.0                                                                                  | 196.0                                                                                | 21,100                                                                               | 24.1                                                                                    | 215.1                                                                                  | 19,800                                                                                 | 180                                                                                    |
| 182                                                                                  | 2.8                                                                                   | 154.9                                                                                | 16,600                                                                               | 13.2                                                                                  | 187.1                                                                                | 20,400                                                                               | 22.0                                                                                    | 210.0                                                                                  | 19,400                                                                                 | 182                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.3                                                                                   | 173.8                                                                                | 19,400                                                                               | 19.5                                                                                    | 202.3                                                                                  | 18,900                                                                                 | 185                                                                                    |
| 187                                                                                  |                                                                                       |                                                                                      |                                                                                      | 1.2                                                                                   | 150.0                                                                                | 16,600                                                                               | 16.6                                                                                    | 195.3                                                                                  | 18,500                                                                                 | 187                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 13.4                                                                                    | 184.9                                                                                  | 18,000                                                                                 | 190                                                                                    |
| 194                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.8                                                                                     | 157.0                                                                                  | 17,300                                                                                 | 194                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 201                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 201                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 213                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 213                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 225                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 225                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 236                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 236                                                                                    |

# MLC250 S-2

ASME B30.5



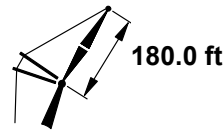
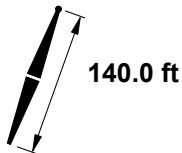
184,600 lb  
+  
44,000 lb

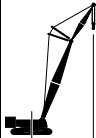
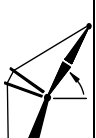
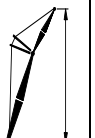
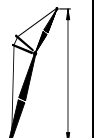
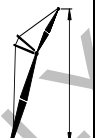
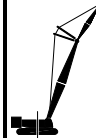


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 81  |      |       |        |      |       |        |      |       |        |      |       |        | 81  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 97  | 67.8 | 302.6 | 46,300 |      |       |        |      |       |        |      |       |        | 97  |
| 100 | 66.7 | 301.3 | 44,400 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.8 | 299.0 | 41,600 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 63.0 | 296.5 | 39,000 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 61.0 | 293.8 | 36,600 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 59.1 | 290.8 | 34,500 |      |       |        |      |       |        |      |       |        | 120 |
| 122 | 58.2 | 289.6 | 33,700 | 62.9 | 293.6 | 30,300 |      |       |        |      |       |        | 122 |
| 125 | 57.1 | 287.7 | 32,500 | 61.8 | 292.0 | 29,200 |      |       |        |      |       |        | 125 |
| 130 | 55.0 | 284.3 | 30,700 | 59.8 | 289.1 | 27,600 |      |       |        |      |       |        | 130 |
| 135 | 52.9 | 280.6 | 29,100 | 57.8 | 286.1 | 26,100 |      |       |        |      |       |        | 135 |
| 140 | 50.8 | 276.6 | 27,500 | 55.8 | 282.7 | 24,700 |      |       |        |      |       |        | 140 |
| 145 | 48.6 | 272.3 | 26,100 | 53.7 | 279.1 | 23,400 |      |       |        |      |       |        | 145 |
| 147 | 47.2 | 270.4 | 25,600 | 52.2 | 277.6 | 22,900 | 57.7 | 281.9 | 20,200 |      |       |        | 147 |
| 150 | 46.3 | 267.6 | 24,800 | 51.6 | 275.3 | 22,100 | 56.5 | 280.0 | 19,500 |      |       |        | 150 |
| 155 | 43.9 | 262.5 | 23,600 | 49.4 | 271.1 | 21,000 | 54.4 | 276.5 | 18,500 |      |       |        | 155 |
| 160 | 41.4 | 257.0 | 22,400 | 47.1 | 266.6 | 19,900 | 52.3 | 272.7 | 17,500 |      |       |        | 160 |
| 165 | 38.7 | 251.0 | 21,400 | 44.8 | 261.6 | 19,000 | 50.1 | 268.6 | 16,600 |      |       |        | 165 |
| 170 | 35.9 | 244.3 | 20,300 | 42.3 | 256.3 | 18,000 | 47.9 | 264.2 | 15,700 | 52.8 | 268.8 | 13,500 | 170 |
| 175 | 32.9 | 236.9 | 19,400 | 39.7 | 250.5 | 17,100 | 45.5 | 259.4 | 14,900 | 50.7 | 264.8 | 12,800 | 175 |
| 180 | 29.6 | 228.5 | 18,500 | 37.0 | 244.0 | 16,300 | 43.1 | 254.2 | 14,200 | 48.4 | 260.4 | 12,000 | 180 |
| 182 | 27.4 | 224.6 | 18,100 | 35.2 | 241.2 | 16,000 | 41.8 | 251.9 | 13,900 | 47.2 | 258.5 | 11,700 | 182 |
| 185 | 25.9 | 218.8 | 17,600 | 34.0 | 236.9 | 15,500 | 40.6 | 248.5 | 13,500 | 46.1 | 255.7 | 11,300 | 185 |
| 187 | 23.4 | 214.2 | 17,300 | 32.4 | 233.7 | 15,200 | 38.8 | 246.0 | 13,200 | 44.8 | 253.7 | 11,000 | 187 |
| 190 | 21.7 | 207.2 | 16,800 | 30.9 | 228.9 | 14,800 | 37.9 | 242.3 | 12,800 | 43.7 | 250.6 | 10,600 | 190 |
| 194 | 17.0 | 195.3 | 16,200 | 27.6 | 221.6 | 14,200 | 35.4 | 236.8 | 12,300 | 41.4 | 246.2 | 10,100 | 194 |
| 195 | 16.4 | 192.3 | 16,000 | 27.4 | 219.8 | 14,100 | 35.0 | 235.4 | 12,100 | 41.2 | 245.1 | 10,000 | 195 |
| 200 | 8.1  | 168.4 | 15,200 | 23.4 | 209.0 | 13,400 | 31.9 | 227.7 | 11,500 | 38.5 | 239.0 | 9,400  | 200 |
| 201 | 5.0  | 159.1 | 15,100 | 21.8 | 205.8 | 13,300 | 30.3 | 225.8 | 11,400 | 37.4 | 237.6 | 9,200  | 201 |
| 210 |      |       |        | 11.9 | 176.7 | 12,100 | 24.7 | 208.8 | 10,400 | 32.7 | 224.8 | 8,200  | 210 |
| 213 |      |       |        | 4.4  | 154.7 | 11,700 | 21.0 | 200.1 | 10,000 | 29.9 | 219.3 | 7,900  | 213 |
| 220 |      |       |        |      |       |        | 14.4 | 179.9 | 9,300  | 25.7 | 206.6 | 7,100  | 220 |
| 225 |      |       |        |      |       |        | 0.7  | 139.8 | 8,600  | 21.4 | 194.8 | 6,600  | 225 |
| 230 |      |       |        |      |       |        |      |       |        | 16.0 | 179.7 | 6,100  | 230 |
| 236 |      |       |        |      |       |        |      |       |        | 3.3  | 142.6 | 5,500  | 236 |



184,600 lb  
+  
44,000 lb



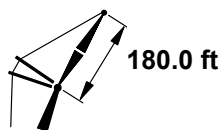
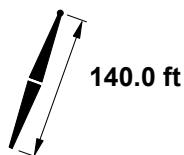
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 57                                                                                   | 76.0                                                                                  | 322.3                                                                                | 49,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 57                                                                                     |
| 60                                                                                   | 75.0                                                                                  | 321.5                                                                                | 48,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 73.3                                                                                  | 320.1                                                                                | 48,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 68                                                                                   | 71.8                                                                                  | 319.1                                                                                | 47,600                                                                               | 74.0                                                                                  | 320.3                                                                                | 55,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 68                                                                                     |
| 70                                                                                   | 71.7                                                                                  | 318.5                                                                                | 47,300                                                                               | 73.3                                                                                  | 319.7                                                                                | 55,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 70.0                                                                                  | 316.7                                                                                | 46,600                                                                               | 71.6                                                                                  | 318.1                                                                                | 55,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 68.3                                                                                  | 314.7                                                                                | 45,900                                                                               | 69.9                                                                                  | 316.3                                                                                | 55,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 66.5                                                                                  | 312.6                                                                                | 45,200                                                                               | 68.2                                                                                  | 314.4                                                                                | 54,400                                                                               | 70.7                                                                                    | 316.3                                                                                  | 53,900                                                                                 | 85                                                                                     |
| 90                                                                                   | 64.8                                                                                  | 310.3                                                                                | 44,400                                                                               | 66.5                                                                                  | 312.2                                                                                | 52,200                                                                               | 69.0                                                                                    | 314.5                                                                                  | 53,700                                                                                 | 90                                                                                     |
| 95                                                                                   | 63.0                                                                                  | 307.8                                                                                | 42,200                                                                               | 64.7                                                                                  | 309.9                                                                                | 49,900                                                                               | 67.3                                                                                    | 312.4                                                                                  | 49,900                                                                                 | 95                                                                                     |
| 100                                                                                  | 61.2                                                                                  | 305.1                                                                                | 39,900                                                                               | 63.0                                                                                  | 307.4                                                                                | 47,600                                                                               | 65.5                                                                                    | 310.2                                                                                  | 46,500                                                                                 | 100                                                                                    |
| 101                                                                                  | 60.6                                                                                  | 304.5                                                                                | 39,500                                                                               | 61.8                                                                                  | 306.9                                                                                | 47,100                                                                               | 64.6                                                                                    | 309.7                                                                                  | 45,900                                                                                 | 101                                                                                    |
| 105                                                                                  | 59.4                                                                                  | 302.2                                                                                | 37,800                                                                               | 61.2                                                                                  | 304.7                                                                                | 45,300                                                                               | 63.8                                                                                    | 307.8                                                                                  | 43,500                                                                                 | 105                                                                                    |
| 110                                                                                  | 57.5                                                                                  | 299.1                                                                                | 35,700                                                                               | 59.3                                                                                  | 301.8                                                                                | 43,100                                                                               | 62.0                                                                                    | 305.2                                                                                  | 40,800                                                                                 | 110                                                                                    |
| 115                                                                                  | 55.6                                                                                  | 295.7                                                                                | 33,800                                                                               | 57.4                                                                                  | 298.7                                                                                | 40,500                                                                               | 60.2                                                                                    | 302.4                                                                                  | 38,300                                                                                 | 115                                                                                    |
| 120                                                                                  | 53.6                                                                                  | 292.1                                                                                | 31,900                                                                               | 55.5                                                                                  | 295.3                                                                                | 38,200                                                                               | 58.3                                                                                    | 299.3                                                                                  | 36,100                                                                                 | 120                                                                                    |
| 125                                                                                  | 51.6                                                                                  | 288.2                                                                                | 30,200                                                                               | 53.6                                                                                  | 291.7                                                                                | 36,100                                                                               | 56.4                                                                                    | 296.1                                                                                  | 34,000                                                                                 | 125                                                                                    |
| 127                                                                                  | 50.2                                                                                  | 286.6                                                                                | 29,600                                                                               | 52.2                                                                                  | 290.1                                                                                | 35,300                                                                               | 55.2                                                                                    | 294.7                                                                                  | 33,300                                                                                 | 127                                                                                    |
| 130                                                                                  | 49.5                                                                                  | 284.1                                                                                | 28,600                                                                               | 51.5                                                                                  | 287.8                                                                                | 34,100                                                                               | 54.5                                                                                    | 292.6                                                                                  | 32,200                                                                                 | 130                                                                                    |
| 135                                                                                  | 47.4                                                                                  | 279.6                                                                                | 27,000                                                                               | 49.5                                                                                  | 283.6                                                                                | 32,300                                                                               | 52.5                                                                                    | 288.8                                                                                  | 30,400                                                                                 | 135                                                                                    |
| 140                                                                                  | 45.2                                                                                  | 274.7                                                                                | 25,600                                                                               | 47.3                                                                                  | 279.1                                                                                | 30,600                                                                               | 50.4                                                                                    | 284.8                                                                                  | 28,800                                                                                 | 140                                                                                    |
| 145                                                                                  | 42.8                                                                                  | 269.5                                                                                | 24,200                                                                               | 45.1                                                                                  | 274.3                                                                                | 29,100                                                                               | 48.3                                                                                    | 280.4                                                                                  | 27,400                                                                                 | 145                                                                                    |
| 150                                                                                  | 40.4                                                                                  | 263.8                                                                                | 23,000                                                                               | 42.8                                                                                  | 269.0                                                                                | 27,600                                                                               | 46.1                                                                                    | 275.7                                                                                  | 26,000                                                                                 | 150                                                                                    |
| 152                                                                                  | 38.8                                                                                  | 261.3                                                                                | 22,600                                                                               | 41.2                                                                                  | 266.7                                                                                | 27,100                                                                               | 44.8                                                                                    | 273.7                                                                                  | 25,500                                                                                 | 152                                                                                    |
| 155                                                                                  | 37.9                                                                                  | 257.5                                                                                | 21,900                                                                               | 40.4                                                                                  | 263.3                                                                                | 26,300                                                                               | 43.9                                                                                    | 270.6                                                                                  | 24,700                                                                                 | 155                                                                                    |
| 160                                                                                  | 35.2                                                                                  | 250.7                                                                                | 20,900                                                                               | 37.8                                                                                  | 257.0                                                                                | 24,900                                                                               | 41.5                                                                                    | 265.1                                                                                  | 23,500                                                                                 | 160                                                                                    |
| 165                                                                                  | 32.3                                                                                  | 243.1                                                                                | 20,000                                                                               | 35.1                                                                                  | 250.2                                                                                | 23,800                                                                               | 39.0                                                                                    | 259.1                                                                                  | 22,400                                                                                 | 165                                                                                    |
| 170                                                                                  | 29.1                                                                                  | 234.5                                                                                | 19,200                                                                               | 32.2                                                                                  | 242.5                                                                                | 22,600                                                                               | 36.4                                                                                    | 252.6                                                                                  | 21,300                                                                                 | 170                                                                                    |
| 175                                                                                  | 25.6                                                                                  | 224.7                                                                                | 18,600                                                                               | 29.1                                                                                  | 234.0                                                                                | 21,700                                                                               | 33.6                                                                                    | 245.3                                                                                  | 20,300                                                                                 | 175                                                                                    |
| 176                                                                                  | 24.2                                                                                  | 222.3                                                                                | 18,500                                                                               | 28.2                                                                                  | 232.0                                                                                | 21,500                                                                               | 32.4                                                                                    | 243.7                                                                                  | 20,100                                                                                 | 176                                                                                    |
| 180                                                                                  | 21.6                                                                                  | 213.0                                                                                | 18,000                                                                               | 25.5                                                                                  | 224.1                                                                                | 20,700                                                                               | 30.5                                                                                    | 237.2                                                                                  | 19,400                                                                                 | 180                                                                                    |
| 185                                                                                  | 16.6                                                                                  | 198.2                                                                                | 17,600                                                                               | 21.5                                                                                  | 212.4                                                                                | 19,800                                                                               | 27.2                                                                                    | 228.0                                                                                  | 18,500                                                                                 | 185                                                                                    |
| 190                                                                                  | 9.3                                                                                   | 175.7                                                                                | 16,500                                                                               | 16.5                                                                                  | 197.5                                                                                | 18,900                                                                               | 23.4                                                                                    | 217.2                                                                                  | 17,600                                                                                 | 190                                                                                    |
| 192                                                                                  | 2.7                                                                                   | 155.1                                                                                | 14,300                                                                               | 12.8                                                                                  | 188.3                                                                                | 18,100                                                                               | 21.0                                                                                    | 211.9                                                                                  | 17,300                                                                                 | 192                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.0                                                                                   | 174.5                                                                                | 17,000                                                                               | 18.9                                                                                    | 204.0                                                                                  | 16,800                                                                                 | 195                                                                                    |
| 197                                                                                  |                                                                                       |                                                                                      |                                                                                      | 1.2                                                                                   | 150.0                                                                                | 14,400                                                                               | 15.6                                                                                    | 196.8                                                                                  | 16,500                                                                                 | 197                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 13.0                                                                                    | 186.0                                                                                  | 16,000                                                                                 | 200                                                                                    |
| 204                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.7                                                                                     | 157.3                                                                                  | 15,400                                                                                 | 204                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 211                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 211                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 223                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 223                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 235                                                                                    |

# MLC250 S-2

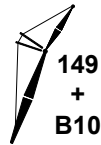
ASME B30.5



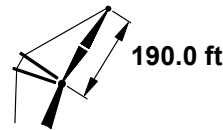
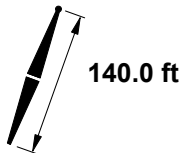
184,600 lb  
+  
44,000 lb

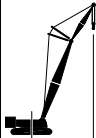
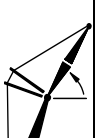
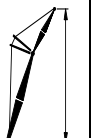
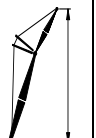
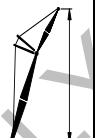
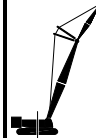


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 67.7 | 311.7 | 43,300 |      |       |        |      |       |        |      |       |        | 101 |
| 105 | 66.3 | 310.0 | 41,000 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 64.6 | 307.7 | 38,400 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 62.8 | 305.1 | 36,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 61.0 | 302.4 | 34,000 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 59.1 | 299.5 | 32,000 |      |       |        |      |       |        |      |       |        | 125 |
| 127 | 58.2 | 298.2 | 31,300 | 62.7 | 302.3 | 28,000 |      |       |        |      |       |        | 127 |
| 130 | 57.3 | 296.4 | 30,200 | 61.7 | 300.6 | 27,000 |      |       |        |      |       |        | 130 |
| 135 | 55.3 | 293.0 | 28,600 | 59.8 | 297.8 | 25,500 |      |       |        |      |       |        | 135 |
| 140 | 53.4 | 289.3 | 27,100 | 58.0 | 294.7 | 24,100 |      |       |        |      |       |        | 140 |
| 145 | 51.3 | 285.4 | 25,600 | 56.1 | 291.4 | 22,800 |      |       |        |      |       |        | 145 |
| 150 | 49.3 | 281.2 | 24,300 | 54.1 | 287.9 | 21,600 |      |       |        |      |       |        | 150 |
| 152 | 48.2 | 279.4 | 23,800 | 53.2 | 286.4 | 21,200 | 57.8 | 290.6 | 18,500 |      |       |        | 152 |
| 155 | 47.1 | 276.7 | 23,100 | 52.1 | 284.1 | 20,500 | 56.7 | 288.6 | 17,900 |      |       |        | 155 |
| 160 | 44.9 | 271.7 | 22,000 | 50.0 | 280.0 | 19,400 | 54.7 | 285.2 | 16,900 |      |       |        | 160 |
| 165 | 42.6 | 266.4 | 20,900 | 47.9 | 275.6 | 18,400 | 52.7 | 281.5 | 16,000 |      |       |        | 165 |
| 170 | 40.1 | 260.7 | 19,900 | 45.7 | 270.8 | 17,500 | 50.7 | 277.5 | 15,200 |      |       |        | 170 |
| 175 | 37.6 | 254.4 | 18,900 | 43.4 | 265.7 | 16,600 | 48.6 | 273.1 | 14,400 |      |       |        | 175 |
| 176 | 36.4 | 253.0 | 18,800 | 42.6 | 264.5 | 16,500 | 47.6 | 272.2 | 14,200 | 52.8 | 276.8 | 11,800 | 176 |
| 180 | 34.8 | 247.4 | 18,000 | 41.1 | 260.1 | 15,800 | 46.4 | 268.5 | 13,600 | 51.2 | 273.6 | 11,200 | 180 |
| 185 | 31.9 | 239.7 | 17,200 | 38.5 | 254.0 | 15,000 | 44.2 | 263.5 | 12,900 | 49.1 | 269.4 | 10,500 | 185 |
| 190 | 28.7 | 231.0 | 16,400 | 35.9 | 247.3 | 14,300 | 41.8 | 258.0 | 12,200 | 47.0 | 264.8 | 9,800  | 190 |
| 192 | 26.8 | 227.0 | 16,100 | 34.2 | 244.3 | 14,000 | 40.2 | 255.7 | 12,000 | 45.2 | 262.8 | 9,500  | 192 |
| 195 | 25.2 | 221.0 | 15,600 | 33.0 | 239.9 | 13,600 | 39.4 | 252.1 | 11,600 | 44.7 | 259.9 | 9,200  | 195 |
| 197 | 23.4 | 216.2 | 15,300 | 31.4 | 236.6 | 13,300 | 37.8 | 249.5 | 11,400 | 43.2 | 257.7 | 8,900  | 197 |
| 200 | 21.0 | 209.1 | 14,900 | 30.0 | 231.6 | 12,900 | 36.8 | 245.6 | 11,000 | 42.4 | 254.5 | 8,600  | 200 |
| 204 | 15.4 | 193.1 | 14,300 | 26.2 | 223.4 | 12,400 | 33.6 | 239.6 | 10,500 | 40.0 | 249.7 | 8,100  | 204 |
| 210 | 7.9  | 169.1 | 13,500 | 22.7 | 211.0 | 11,700 | 31.0 | 230.5 | 9,800  | 37.4 | 242.4 | 7,400  | 210 |
| 211 | 4.8  | 159.5 | 13,300 | 20.9 | 207.7 | 11,600 | 29.3 | 228.5 | 9,700  | 36.4 | 240.9 | 7,300  | 211 |
| 220 |      |       |        | 11.6 | 177.7 | 10,500 | 24.0 | 210.9 | 8,600  | 31.7 | 227.7 | 6,400  | 220 |
| 223 |      |       |        | 4.3  | 155.0 | 10,100 | 20.0 | 202.0 | 8,300  | 28.9 | 222.0 | 6,100  | 223 |
| 230 |      |       |        |      |       |        | 14.0 | 181.1 | 7,500  | 24.9 | 208.8 | 5,400  | 230 |
| 235 |      |       |        |      |       |        | 0.7  | 139.8 | 6,900  |      |       |        | 235 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 60                                                                                | 75.8                                                                                  | 331.9                                                                             | 44,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 74.2                                                                                  | 330.5                                                                             | 44,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 72.7                                                                                  | 329.0                                                                             | 43,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 71                                                                                | 71.8                                                                                  | 328.7                                                                             | 43,600                                                                            | 73.9                                                                                  | 329.9                                                                             | 50,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 71                                                                                  |
| 75                                                                                | 71.1                                                                                  | 327.3                                                                             | 43,100                                                                            | 72.6                                                                                  | 328.6                                                                             | 50,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 69.5                                                                                  | 325.5                                                                             | 42,500                                                                            | 71.0                                                                                  | 326.9                                                                             | 50,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 67.8                                                                                  | 323.5                                                                             | 41,800                                                                            | 69.4                                                                                  | 325.1                                                                             | 50,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 88                                                                                | 66.4                                                                                  | 322.2                                                                             | 41,500                                                                            | 67.8                                                                                  | 323.9                                                                             | 49,700                                                                            | 70.8                                                                                    | 325.9                                                                               | 48,800                                                                              | 88                                                                                  |
| 90                                                                                | 66.2                                                                                  | 321.3                                                                             | 41,200                                                                            | 67.8                                                                                  | 323.1                                                                             | 49,400                                                                            | 70.2                                                                                    | 325.2                                                                               | 48,800                                                                              | 90                                                                                  |
| 95                                                                                | 64.5                                                                                  | 319.0                                                                             | 40,400                                                                            | 66.2                                                                                  | 320.9                                                                             | 47,600                                                                            | 68.5                                                                                    | 323.2                                                                               | 48,800                                                                              | 95                                                                                  |
| 100                                                                               | 62.8                                                                                  | 316.5                                                                             | 38,600                                                                            | 64.5                                                                                  | 318.6                                                                             | 45,600                                                                            | 66.9                                                                                    | 321.1                                                                               | 46,300                                                                              | 100                                                                                 |
| 104                                                                               | 61.2                                                                                  | 314.3                                                                             | 37,000                                                                            | 62.4                                                                                  | 316.6                                                                             | 44,000                                                                            | 65.2                                                                                    | 319.3                                                                               | 43,900                                                                              | 104                                                                                 |
| 105                                                                               | 61.1                                                                                  | 313.8                                                                             | 36,600                                                                            | 62.8                                                                                  | 316.1                                                                             | 43,600                                                                            | 65.3                                                                                    | 318.9                                                                               | 43,300                                                                              | 105                                                                                 |
| 110                                                                               | 59.4                                                                                  | 310.9                                                                             | 34,800                                                                            | 61.1                                                                                  | 313.4                                                                             | 41,700                                                                            | 63.6                                                                                    | 316.4                                                                               | 40,600                                                                              | 110                                                                                 |
| 115                                                                               | 57.6                                                                                  | 307.8                                                                             | 33,000                                                                            | 59.3                                                                                  | 310.5                                                                             | 39,700                                                                            | 61.9                                                                                    | 313.8                                                                               | 38,100                                                                              | 115                                                                                 |
| 120                                                                               | 55.8                                                                                  | 304.4                                                                             | 31,200                                                                            | 57.6                                                                                  | 307.4                                                                             | 37,700                                                                            | 60.1                                                                                    | 311.0                                                                               | 35,900                                                                              | 120                                                                                 |
| 125                                                                               | 54.0                                                                                  | 300.9                                                                             | 29,600                                                                            | 55.8                                                                                  | 304.0                                                                             | 35,800                                                                            | 58.4                                                                                    | 308.0                                                                               | 33,800                                                                              | 125                                                                                 |
| 130                                                                               | 52.1                                                                                  | 297.1                                                                             | 28,100                                                                            | 53.9                                                                                  | 300.4                                                                             | 33,900                                                                            | 56.6                                                                                    | 304.8                                                                               | 31,900                                                                              | 130                                                                                 |
| 131                                                                               | 51.6                                                                                  | 296.2                                                                             | 27,800                                                                            | 52.8                                                                                  | 299.7                                                                             | 33,500                                                                            | 55.6                                                                                    | 304.1                                                                               | 31,600                                                                              | 131                                                                                 |
| 135                                                                               | 50.1                                                                                  | 293.0                                                                             | 26,700                                                                            | 52.0                                                                                  | 296.6                                                                             | 32,100                                                                            | 54.8                                                                                    | 301.3                                                                               | 30,200                                                                              | 135                                                                                 |
| 140                                                                               | 48.1                                                                                  | 288.6                                                                             | 25,300                                                                            | 50.1                                                                                  | 292.5                                                                             | 30,400                                                                            | 52.9                                                                                    | 297.6                                                                               | 28,600                                                                              | 140                                                                                 |
| 145                                                                               | 46.0                                                                                  | 283.8                                                                             | 24,000                                                                            | 48.0                                                                                  | 288.1                                                                             | 28,900                                                                            | 51.0                                                                                    | 293.6                                                                               | 27,200                                                                              | 145                                                                                 |
| 150                                                                               | 43.9                                                                                  | 278.8                                                                             | 22,700                                                                            | 46.0                                                                                  | 283.4                                                                             | 27,400                                                                            | 49.0                                                                                    | 289.3                                                                               | 25,800                                                                              | 150                                                                                 |
| 155                                                                               | 41.6                                                                                  | 273.3                                                                             | 21,600                                                                            | 43.8                                                                                  | 278.3                                                                             | 26,100                                                                            | 46.9                                                                                    | 284.8                                                                               | 24,500                                                                              | 155                                                                                 |
| 157                                                                               | 40.2                                                                                  | 270.9                                                                             | 21,200                                                                            | 42.2                                                                                  | 276.1                                                                             | 25,600                                                                            | 45.2                                                                                    | 282.8                                                                               | 24,000                                                                              | 157                                                                                 |
| 160                                                                               | 39.3                                                                                  | 267.3                                                                             | 20,600                                                                            | 41.6                                                                                  | 272.8                                                                             | 24,900                                                                            | 44.8                                                                                    | 279.9                                                                               | 23,300                                                                              | 160                                                                                 |
| 165                                                                               | 36.8                                                                                  | 260.9                                                                             | 19,700                                                                            | 39.2                                                                                  | 266.9                                                                             | 23,600                                                                            | 42.6                                                                                    | 274.6                                                                               | 22,200                                                                              | 165                                                                                 |
| 170                                                                               | 34.2                                                                                  | 253.8                                                                             | 18,800                                                                            | 36.8                                                                                  | 260.4                                                                             | 22,500                                                                            | 40.3                                                                                    | 268.8                                                                               | 21,100                                                                              | 170                                                                                 |
| 175                                                                               | 31.4                                                                                  | 245.9                                                                             | 18,100                                                                            | 34.1                                                                                  | 253.2                                                                             | 21,400                                                                            | 37.9                                                                                    | 262.6                                                                               | 20,100                                                                              | 175                                                                                 |
| 180                                                                               | 28.3                                                                                  | 237.0                                                                             | 17,400                                                                            | 31.3                                                                                  | 245.3                                                                             | 20,500                                                                            | 35.4                                                                                    | 255.8                                                                               | 19,200                                                                              | 180                                                                                 |
| 182                                                                               | 26.4                                                                                  | 233.0                                                                             | 17,200                                                                            | 29.8                                                                                  | 241.8                                                                             | 20,200                                                                            | 33.8                                                                                    | 252.7                                                                               | 18,800                                                                              | 182                                                                                 |
| 185                                                                               | 24.9                                                                                  | 226.9                                                                             | 16,900                                                                            | 28.2                                                                                  | 236.5                                                                             | 19,600                                                                            | 32.6                                                                                    | 248.2                                                                               | 18,300                                                                              | 185                                                                                 |
| 190                                                                               | 21.0                                                                                  | 214.8                                                                             | 16,400                                                                            | 24.8                                                                                  | 226.3                                                                             | 18,800                                                                            | 29.7                                                                                    | 239.8                                                                               | 17,500                                                                              | 190                                                                                 |
| 200                                                                               | 9.0                                                                                   | 176.5                                                                             | 14,600                                                                            | 16.0                                                                                  | 198.8                                                                             | 17,100                                                                            | 22.8                                                                                    | 219.2                                                                               | 15,900                                                                              | 200                                                                                 |
| 202                                                                               | 2.6                                                                                   | 155.3                                                                             | 12,500                                                                            | 11.7                                                                                  | 184.9                                                                             | 15,800                                                                            | 20.0                                                                                    | 212.8                                                                               | 15,600                                                                              | 202                                                                                 |
| 207                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.1                                                                                   | 150.1                                                                             | 12,600                                                                            | 15.0                                                                                    | 196.7                                                                               | 14,900                                                                              | 207                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.6                                                                                    | 187.1                                                                               | 14,500                                                                              | 210                                                                                 |
| 214                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.6                                                                                     | 157.5                                                                               | 13,900                                                                              | 214                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 221                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 221                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 233                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 233                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 245                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 245                                                                                 |

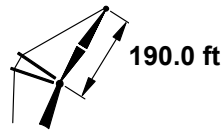
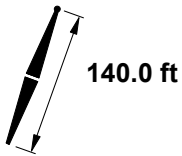


# MLC250 S-2

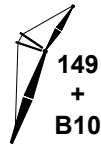
ASME B30.5



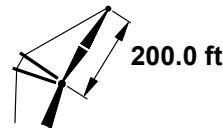
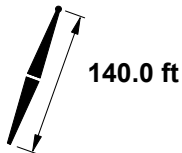
184,600 lb  
+  
44,000 lb

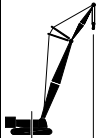
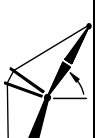
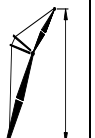
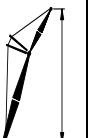


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 88  |      |       |        |      |       |        |      |       |        |      |       |        | 88  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |        | 100 |
| 104 | 68.0 | 321.3 | 41,400 |      |       |        |      |       |        |      |       |        | 104 |
| 105 | 67.6 | 320.9 | 40,800 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 66.0 | 318.7 | 38,200 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 64.3 | 316.4 | 35,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 62.6 | 313.8 | 33,700 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 60.9 | 311.1 | 31,800 |      |       |        |      |       |        |      |       |        | 125 |
| 130 | 59.2 | 308.2 | 30,000 |      |       |        |      |       |        |      |       |        | 130 |
| 131 | 58.6 | 307.5 | 29,700 | 62.9 | 311.4 | 26,500 |      |       |        |      |       |        | 131 |
| 135 | 57.4 | 305.0 | 28,400 | 61.6 | 309.3 | 25,300 |      |       |        |      |       |        | 135 |
| 140 | 55.6 | 301.7 | 26,800 | 59.8 | 306.5 | 23,900 |      |       |        |      |       |        | 140 |
| 145 | 53.7 | 298.1 | 25,400 | 58.1 | 303.4 | 22,600 |      |       |        |      |       |        | 145 |
| 150 | 51.8 | 294.2 | 24,100 | 56.3 | 300.1 | 21,400 |      |       |        |      |       |        | 150 |
| 155 | 49.9 | 290.1 | 22,900 | 54.4 | 296.6 | 20,300 |      |       |        |      |       |        | 155 |
| 157 | 48.2 | 288.3 | 22,400 | 53.2 | 295.1 | 19,800 | 57.9 | 299.3 | 17,300 |      |       |        | 157 |
| 160 | 47.9 | 285.7 | 21,800 | 52.5 | 292.9 | 19,200 | 56.8 | 297.3 | 16,700 |      |       |        | 160 |
| 165 | 45.8 | 280.9 | 20,700 | 50.6 | 288.8 | 18,200 | 55.0 | 293.9 | 15,800 |      |       |        | 165 |
| 170 | 43.6 | 275.8 | 19,700 | 48.6 | 284.5 | 17,300 | 53.1 | 290.2 | 15,000 |      |       |        | 170 |
| 175 | 41.4 | 270.2 | 18,700 | 46.6 | 279.9 | 16,400 | 51.2 | 286.3 | 14,200 |      |       |        | 175 |
| 180 | 39.0 | 264.2 | 17,800 | 44.4 | 274.9 | 15,600 | 49.3 | 282.1 | 13,400 |      |       |        | 180 |
| 182 | 37.8 | 261.6 | 17,500 | 43.2 | 272.8 | 15,300 | 48.2 | 280.3 | 13,100 | 52.8 | 284.8 | 10,500 | 182 |
| 185 | 36.5 | 257.7 | 17,000 | 42.2 | 269.5 | 14,800 | 47.2 | 277.5 | 12,700 | 51.7 | 282.4 | 10,100 | 185 |
| 190 | 33.9 | 250.5 | 16,200 | 39.9 | 263.7 | 14,100 | 45.1 | 272.7 | 12,000 | 49.7 | 278.3 | 9,500  | 190 |
| 200 | 27.9 | 233.5 | 14,700 | 34.9 | 250.4 | 12,700 | 40.7 | 261.8 | 10,700 | 45.6 | 269.0 | 8,200  | 200 |
| 202 | 25.6 | 229.0 | 14,500 | 33.0 | 247.2 | 12,500 | 39.0 | 259.2 | 10,500 | 44.2 | 266.9 | 8,000  | 202 |
| 207 | 22.1 | 217.7 | 13,800 | 30.5 | 239.1 | 11,900 | 36.5 | 252.7 | 9,800  | 42.2 | 261.5 | 7,400  | 207 |
| 210 | 20.5 | 210.9 | 13,400 | 29.1 | 234.2 | 11,500 | 35.7 | 248.9 | 9,500  | 41.2 | 258.3 | 7,100  | 210 |
| 214 | 14.8 | 194.4 | 12,900 | 26.2 | 225.7 | 11,100 | 33.0 | 242.6 | 9,000  | 39.0 | 253.3 | 6,700  | 214 |
| 220 | 7.7  | 169.7 | 12,100 | 22.1 | 213.0 | 10,400 | 30.1 | 233.2 | 8,300  | 36.4 | 245.7 | 6,100  | 220 |
| 221 | 4.7  | 159.9 | 11,900 | 20.9 | 209.5 | 10,300 | 29.3 | 231.2 | 8,200  | 35.4 | 244.2 | 6,000  | 221 |
| 230 |      |       |        | 11.3 | 178.7 | 9,300  | 23.3 | 213.0 | 7,300  | 30.8 | 230.4 | 5,100  | 230 |
| 233 |      |       |        | 4.2  | 155.3 | 9,000  | 20.0 | 203.8 | 7,000  |      |       |        | 233 |
| 240 |      |       |        |      |       |        | 13.6 | 182.3 | 6,300  |      |       |        | 240 |
| 245 |      |       |        |      |       |        | 0.6  | 139.7 | 5,700  |      |       |        | 245 |



184,600 lb  
+  
44,000 lb



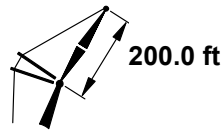
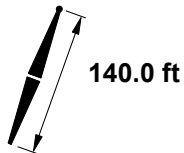
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 62                                                                                | 75.9                                                                                  | 341.7                                                                             | 40,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 62                                                                                  |
| 65                                                                                | 75.0                                                                                  | 340.9                                                                             | 40,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.6                                                                                  | 339.5                                                                             | 40,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 74                                                                                | 72.2                                                                                  | 338.2                                                                             | 39,900                                                                            | 73.8                                                                                  | 339.4                                                                             | 46,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 74                                                                                  |
| 75                                                                                | 72.1                                                                                  | 337.9                                                                             | 39,800                                                                            | 73.5                                                                                  | 339.1                                                                             | 46,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.5                                                                                  | 336.2                                                                             | 39,200                                                                            | 72.0                                                                                  | 337.5                                                                             | 45,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.0                                                                                  | 334.3                                                                             | 38,700                                                                            | 70.5                                                                                  | 335.8                                                                             | 45,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 67.5                                                                                  | 332.2                                                                             | 38,100                                                                            | 69.0                                                                                  | 333.9                                                                             | 45,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 91                                                                                | 66.6                                                                                  | 331.8                                                                             | 38,000                                                                            | 67.8                                                                                  | 333.5                                                                             | 45,200                                                                            | 70.9                                                                                    | 335.4                                                                               | 44,200                                                                              | 91                                                                                  |
| 95                                                                                | 65.9                                                                                  | 330.1                                                                             | 37,600                                                                            | 67.4                                                                                  | 331.9                                                                             | 45,000                                                                            | 69.7                                                                                    | 334.0                                                                               | 44,100                                                                              | 95                                                                                  |
| 100                                                                               | 64.3                                                                                  | 327.7                                                                             | 37,000                                                                            | 65.9                                                                                  | 329.7                                                                             | 43,400                                                                            | 68.1                                                                                    | 332.0                                                                               | 44,000                                                                              | 100                                                                                 |
| 105                                                                               | 62.7                                                                                  | 325.2                                                                             | 35,300                                                                            | 64.3                                                                                  | 327.3                                                                             | 41,700                                                                            | 66.6                                                                                    | 329.9                                                                               | 42,800                                                                              | 105                                                                                 |
| 108                                                                               | 61.4                                                                                  | 323.5                                                                             | 34,300                                                                            | 62.8                                                                                  | 325.8                                                                             | 40,700                                                                            | 65.4                                                                                    | 328.5                                                                               | 41,200                                                                              | 108                                                                                 |
| 110                                                                               | 61.1                                                                                  | 322.4                                                                             | 33,700                                                                            | 62.7                                                                                  | 324.8                                                                             | 40,000                                                                            | 65.0                                                                                    | 327.6                                                                               | 40,100                                                                              | 110                                                                                 |
| 115                                                                               | 59.4                                                                                  | 319.5                                                                             | 32,000                                                                            | 61.0                                                                                  | 322.0                                                                             | 38,300                                                                            | 63.4                                                                                    | 325.1                                                                               | 37,600                                                                              | 115                                                                                 |
| 120                                                                               | 57.7                                                                                  | 316.4                                                                             | 30,400                                                                            | 59.4                                                                                  | 319.1                                                                             | 36,500                                                                            | 61.8                                                                                    | 322.5                                                                               | 35,400                                                                              | 120                                                                                 |
| 125                                                                               | 56.0                                                                                  | 313.1                                                                             | 28,900                                                                            | 57.7                                                                                  | 316.0                                                                             | 34,800                                                                            | 60.1                                                                                    | 319.7                                                                               | 33,400                                                                              | 125                                                                                 |
| 130                                                                               | 54.3                                                                                  | 309.6                                                                             | 27,400                                                                            | 56.0                                                                                  | 312.7                                                                             | 33,200                                                                            | 58.5                                                                                    | 316.7                                                                               | 31,500                                                                              | 130                                                                                 |
| 135                                                                               | 52.5                                                                                  | 305.8                                                                             | 26,100                                                                            | 54.2                                                                                  | 309.2                                                                             | 31,600                                                                            | 56.8                                                                                    | 313.4                                                                               | 29,800                                                                              | 135                                                                                 |
| 136                                                                               | 51.6                                                                                  | 305.0                                                                             | 25,800                                                                            | 53.6                                                                                  | 308.4                                                                             | 31,300                                                                            | 55.8                                                                                    | 312.8                                                                               | 29,500                                                                              | 136                                                                                 |
| 140                                                                               | 50.6                                                                                  | 301.8                                                                             | 24,800                                                                            | 52.4                                                                                  | 305.4                                                                             | 30,000                                                                            | 55.0                                                                                    | 310.0                                                                               | 28,200                                                                              | 140                                                                                 |
| 145                                                                               | 48.7                                                                                  | 297.5                                                                             | 23,600                                                                            | 50.6                                                                                  | 301.4                                                                             | 28,500                                                                            | 53.3                                                                                    | 306.3                                                                               | 26,700                                                                              | 145                                                                                 |
| 150                                                                               | 46.8                                                                                  | 292.9                                                                             | 22,500                                                                            | 48.7                                                                                  | 297.1                                                                             | 27,000                                                                            | 51.4                                                                                    | 302.4                                                                               | 25,300                                                                              | 150                                                                                 |
| 155                                                                               | 44.8                                                                                  | 288.0                                                                             | 21,400                                                                            | 46.8                                                                                  | 292.5                                                                             | 25,700                                                                            | 49.6                                                                                    | 298.3                                                                               | 24,100                                                                              | 155                                                                                 |
| 160                                                                               | 42.7                                                                                  | 282.7                                                                             | 20,300                                                                            | 44.7                                                                                  | 287.5                                                                             | 24,500                                                                            | 47.6                                                                                    | 293.8                                                                               | 22,900                                                                              | 160                                                                                 |
| 162                                                                               | 41.2                                                                                  | 280.4                                                                             | 19,900                                                                            | 43.2                                                                                  | 285.4                                                                             | 24,000                                                                            | 46.2                                                                                    | 291.9                                                                               | 22,400                                                                              | 162                                                                                 |
| 165                                                                               | 40.5                                                                                  | 277.0                                                                             | 19,400                                                                            | 42.6                                                                                  | 282.2                                                                             | 23,300                                                                            | 45.7                                                                                    | 289.0                                                                               | 21,700                                                                              | 165                                                                                 |
| 170                                                                               | 38.3                                                                                  | 270.8                                                                             | 18,500                                                                            | 40.5                                                                                  | 276.5                                                                             | 22,200                                                                            | 43.6                                                                                    | 283.9                                                                               | 20,700                                                                              | 170                                                                                 |
| 175                                                                               | 35.9                                                                                  | 264.1                                                                             | 17,700                                                                            | 38.2                                                                                  | 270.3                                                                             | 21,200                                                                            | 41.5                                                                                    | 278.4                                                                               | 19,700                                                                              | 175                                                                                 |
| 180                                                                               | 33.3                                                                                  | 256.8                                                                             | 17,000                                                                            | 35.8                                                                                  | 263.6                                                                             | 20,200                                                                            | 39.3                                                                                    | 272.4                                                                               | 18,800                                                                              | 180                                                                                 |
| 185                                                                               | 30.6                                                                                  | 248.6                                                                             | 16,400                                                                            | 33.2                                                                                  | 256.2                                                                             | 19,300                                                                            | 36.9                                                                                    | 265.9                                                                               | 17,900                                                                              | 185                                                                                 |
| 188                                                                               | 28.2                                                                                  | 243.1                                                                             | 16,100                                                                            | 31.2                                                                                  | 251.3                                                                             | 18,700                                                                            | 34.8                                                                                    | 261.7                                                                               | 17,400                                                                              | 188                                                                                 |
| 190                                                                               | 27.6                                                                                  | 239.5                                                                             | 15,900                                                                            | 30.5                                                                                  | 248.1                                                                             | 18,400                                                                            | 34.4                                                                                    | 258.9                                                                               | 17,100                                                                              | 190                                                                                 |
| 200                                                                               | 20.4                                                                                  | 216.6                                                                             | 15,000                                                                            | 24.2                                                                                  | 228.4                                                                             | 16,800                                                                            | 28.9                                                                                    | 242.4                                                                               | 15,500                                                                              | 200                                                                                 |
| 210                                                                               | 8.8                                                                                   | 177.2                                                                             | 12,500                                                                            | 15.6                                                                                  | 200.2                                                                             | 15,300                                                                            | 22.2                                                                                    | 221.1                                                                               | 14,100                                                                              | 210                                                                                 |
| 212                                                                               | 2.5                                                                                   | 155.5                                                                             | 10,600                                                                            | 11.0                                                                                  | 185.9                                                                             | 14,000                                                                            | 20.0                                                                                    | 214.5                                                                               | 13,900                                                                              | 212                                                                                 |
| 217                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.1                                                                                   | 150.1                                                                             | 10,700                                                                            | 15.0                                                                                    | 198.0                                                                               | 13,200                                                                              | 217                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.3                                                                                    | 188.1                                                                               | 12,800                                                                              | 220                                                                                 |
| 224                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.5                                                                                     | 157.8                                                                               | 12,100                                                                              | 224                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 231                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 231                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 243                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 243                                                                                 |
| 245                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 245                                                                                 |

# MLC250 S-2

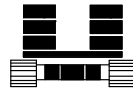
ASME B30.5



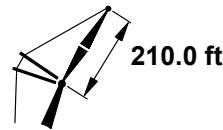
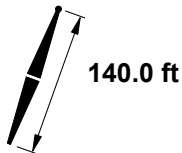
184,600 lb  
+  
44,000 lb

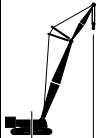
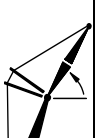
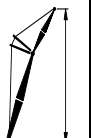
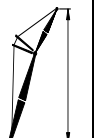
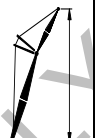
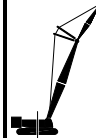


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 62  |      |       |        |      |       |        |      |       |        |      |       |       | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |       | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 91  |      |       |        |      |       |        |      |       |        |      |       |       | 91  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 108 | 67.9 | 330.5 | 38,700 |      |       |        |      |       |        |      |       |       | 108 |
| 110 | 67.3 | 329.6 | 37,700 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 65.7 | 327.4 | 35,400 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 64.1 | 325.0 | 33,200 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 62.5 | 322.5 | 31,300 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 60.9 | 319.8 | 29,500 |      |       |        |      |       |        |      |       |       | 130 |
| 135 | 59.2 | 316.8 | 27,900 |      |       |        |      |       |        |      |       |       | 135 |
| 136 | 58.6 | 316.2 | 27,600 | 62.8 | 320.1 | 24,500 |      |       |        |      |       |       | 136 |
| 140 | 57.5 | 313.7 | 26,400 | 61.5 | 318.0 | 23,300 |      |       |        |      |       |       | 140 |
| 145 | 55.8 | 310.4 | 24,900 | 59.8 | 315.1 | 22,100 |      |       |        |      |       |       | 145 |
| 150 | 54.1 | 306.8 | 23,600 | 58.2 | 312.1 | 20,900 |      |       |        |      |       |       | 150 |
| 155 | 52.3 | 303.0 | 22,400 | 56.5 | 308.8 | 19,700 |      |       |        |      |       |       | 155 |
| 160 | 50.4 | 299.0 | 21,300 | 54.7 | 305.3 | 18,700 |      |       |        |      |       |       | 160 |
| 162 | 49.2 | 297.2 | 20,900 | 53.2 | 303.9 | 18,300 | 58.0 | 307.9 | 15,800 |      |       |       | 162 |
| 165 | 48.5 | 294.6 | 20,200 | 52.9 | 301.6 | 17,700 | 57.0 | 306.0 | 15,200 |      |       |       | 165 |
| 170 | 46.6 | 290.0 | 19,200 | 51.1 | 297.7 | 16,800 | 55.3 | 302.6 | 14,400 |      |       |       | 170 |
| 175 | 44.5 | 285.0 | 18,300 | 49.2 | 293.5 | 15,900 | 53.5 | 299.0 | 13,600 |      |       |       | 175 |
| 180 | 42.4 | 279.7 | 17,400 | 47.3 | 288.9 | 15,100 | 51.7 | 295.1 | 12,800 |      |       |       | 180 |
| 185 | 40.3 | 273.9 | 16,600 | 45.3 | 284.1 | 14,300 | 49.8 | 291.0 | 12,000 |      |       |       | 185 |
| 188 | 38.2 | 270.2 | 16,100 | 43.8 | 281.0 | 13,900 | 47.8 | 288.3 | 11,600 | 52.9 | 292.8 | 8,900 | 188 |
| 190 | 38.0 | 267.7 | 15,800 | 43.2 | 278.9 | 13,600 | 47.9 | 286.5 | 11,300 | 52.1 | 291.2 | 8,600 | 190 |
| 200 | 33.0 | 253.5 | 14,300 | 38.8 | 267.3 | 12,300 | 43.9 | 276.7 | 10,000 | 48.4 | 282.8 | 7,400 | 200 |
| 210 | 27.2 | 235.9 | 13,000 | 34.0 | 253.5 | 11,000 | 39.6 | 265.4 | 8,700  | 44.4 | 273.1 | 6,300 | 210 |
| 212 | 25.4 | 231.3 | 12,700 | 32.0 | 250.1 | 10,800 | 38.0 | 262.7 | 8,500  | 43.2 | 270.9 | 6,100 | 212 |
| 217 | 21.4 | 219.6 | 12,100 | 29.5 | 241.8 | 10,300 | 35.5 | 256.0 | 7,900  | 41.2 | 265.3 | 5,600 | 217 |
| 220 | 19.9 | 212.6 | 11,700 | 28.4 | 236.7 | 9,900  | 34.8 | 252.0 | 7,600  | 40.1 | 262.0 | 5,300 | 220 |
| 224 | 14.2 | 195.7 | 11,300 | 25.2 | 228.0 | 9,500  | 32.0 | 245.5 | 7,200  |      |       |       | 224 |
| 230 | 7.5  | 170.4 | 10,600 | 21.5 | 214.8 | 8,800  | 29.3 | 235.8 | 6,600  |      |       |       | 230 |
| 231 | 4.6  | 160.2 | 10,400 | 19.9 | 211.3 | 8,700  | 28.3 | 233.7 | 6,500  |      |       |       | 231 |
| 240 |      |       |        | 11.0 | 179.6 | 7,700  | 22.7 | 215.0 | 5,600  |      |       |       | 240 |
| 243 |      |       |        | 4.1  | 155.7 | 7,400  | 19.6 | 206.8 | 5,300  |      |       |       | 243 |
| 245 |      |       |        |      |       |        | 18.6 | 201.4 | 5,200  |      |       |       | 245 |



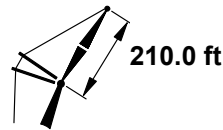
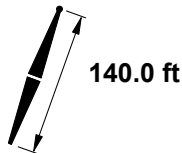
184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 65                                                                                | 75.8                                                                                  | 351.3                                                                             | 37,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.4                                                                                  | 349.9                                                                             | 36,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 72.9                                                                                  | 348.4                                                                             | 36,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 71.8                                                                                  | 348.1                                                                             | 36,600                                                                            | 74.0                                                                                  | 349.2                                                                             | 42,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 76                                                                                  |
| 80                                                                                | 71.5                                                                                  | 346.8                                                                             | 36,200                                                                            | 72.9                                                                                  | 348.0                                                                             | 41,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 70.1                                                                                  | 345.0                                                                             | 35,800                                                                            | 71.5                                                                                  | 346.4                                                                             | 41,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 68.6                                                                                  | 343.1                                                                             | 35,300                                                                            | 70.0                                                                                  | 344.6                                                                             | 41,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 94                                                                                | 67.2                                                                                  | 341.4                                                                             | 34,900                                                                            | 68.4                                                                                  | 343.1                                                                             | 41,100                                                                            | 71.0                                                                                    | 345.0                                                                               | 40,100                                                                              | 94                                                                                  |
| 95                                                                                | 67.1                                                                                  | 341.0                                                                             | 34,800                                                                            | 68.6                                                                                  | 342.7                                                                             | 41,000                                                                            | 70.7                                                                                    | 344.6                                                                               | 40,100                                                                              | 95                                                                                  |
| 100                                                                               | 65.6                                                                                  | 338.8                                                                             | 34,400                                                                            | 67.1                                                                                  | 340.6                                                                             | 40,700                                                                            | 69.2                                                                                    | 342.8                                                                               | 39,900                                                                              | 100                                                                                 |
| 105                                                                               | 64.1                                                                                  | 336.4                                                                             | 33,900                                                                            | 65.6                                                                                  | 338.4                                                                             | 39,800                                                                            | 67.8                                                                                    | 340.7                                                                               | 39,800                                                                              | 105                                                                                 |
| 110                                                                               | 62.6                                                                                  | 333.8                                                                             | 32,400                                                                            | 64.1                                                                                  | 336.0                                                                             | 38,300                                                                            | 66.3                                                                                    | 338.6                                                                               | 39,600                                                                              | 110                                                                                 |
| 112                                                                               | 61.6                                                                                  | 332.7                                                                             | 31,900                                                                            | 63.2                                                                                  | 335.0                                                                             | 37,700                                                                            | 65.2                                                                                    | 337.7                                                                               | 38,700                                                                              | 112                                                                                 |
| 115                                                                               | 61.0                                                                                  | 331.1                                                                             | 31,000                                                                            | 62.5                                                                                  | 333.4                                                                             | 36,700                                                                            | 64.8                                                                                    | 336.3                                                                               | 37,300                                                                              | 115                                                                                 |
| 120                                                                               | 59.5                                                                                  | 328.2                                                                             | 29,500                                                                            | 61.0                                                                                  | 330.7                                                                             | 35,300                                                                            | 63.2                                                                                    | 333.8                                                                               | 35,000                                                                              | 120                                                                                 |
| 125                                                                               | 57.8                                                                                  | 325.1                                                                             | 28,100                                                                            | 59.4                                                                                  | 327.8                                                                             | 33,800                                                                            | 61.7                                                                                    | 331.2                                                                               | 33,000                                                                              | 125                                                                                 |
| 130                                                                               | 56.2                                                                                  | 321.8                                                                             | 26,800                                                                            | 57.8                                                                                  | 324.7                                                                             | 32,300                                                                            | 60.1                                                                                    | 328.3                                                                               | 31,100                                                                              | 130                                                                                 |
| 135                                                                               | 54.6                                                                                  | 318.3                                                                             | 25,500                                                                            | 56.2                                                                                  | 321.4                                                                             | 30,900                                                                            | 58.5                                                                                    | 325.3                                                                               | 29,400                                                                              | 135                                                                                 |
| 140                                                                               | 52.8                                                                                  | 314.6                                                                             | 24,300                                                                            | 54.5                                                                                  | 317.9                                                                             | 29,400                                                                            | 56.9                                                                                    | 322.1                                                                               | 27,800                                                                              | 140                                                                                 |
| 145                                                                               | 51.1                                                                                  | 310.7                                                                             | 23,200                                                                            | 52.8                                                                                  | 314.2                                                                             | 28,100                                                                            | 55.3                                                                                    | 318.7                                                                               | 26,300                                                                              | 145                                                                                 |
| 150                                                                               | 49.3                                                                                  | 306.4                                                                             | 22,100                                                                            | 51.1                                                                                  | 310.2                                                                             | 26,700                                                                            | 53.6                                                                                    | 315.1                                                                               | 25,000                                                                              | 150                                                                                 |
| 155                                                                               | 47.5                                                                                  | 301.9                                                                             | 21,100                                                                            | 49.3                                                                                  | 306.0                                                                             | 25,400                                                                            | 51.9                                                                                    | 311.2                                                                               | 23,700                                                                              | 155                                                                                 |
| 160                                                                               | 45.6                                                                                  | 297.1                                                                             | 20,200                                                                            | 47.4                                                                                  | 301.5                                                                             | 24,100                                                                            | 50.1                                                                                    | 307.1                                                                               | 22,500                                                                              | 160                                                                                 |
| 165                                                                               | 43.6                                                                                  | 292.0                                                                             | 19,100                                                                            | 45.6                                                                                  | 296.7                                                                             | 22,900                                                                            | 48.3                                                                                    | 302.8                                                                               | 21,400                                                                              | 165                                                                                 |
| 168                                                                               | 41.8                                                                                  | 288.7                                                                             | 18,600                                                                            | 43.8                                                                                  | 293.6                                                                             | 22,300                                                                            | 46.8                                                                                    | 300.0                                                                               | 20,800                                                                              | 168                                                                                 |
| 170                                                                               | 41.6                                                                                  | 286.5                                                                             | 18,300                                                                            | 43.6                                                                                  | 291.5                                                                             | 21,800                                                                            | 46.4                                                                                    | 298.1                                                                               | 20,300                                                                              | 170                                                                                 |
| 175                                                                               | 39.5                                                                                  | 280.6                                                                             | 17,500                                                                            | 41.6                                                                                  | 286.0                                                                             | 20,800                                                                            | 44.5                                                                                    | 293.1                                                                               | 19,400                                                                              | 175                                                                                 |
| 180                                                                               | 37.3                                                                                  | 274.2                                                                             | 16,800                                                                            | 39.5                                                                                  | 280.1                                                                             | 19,800                                                                            | 42.5                                                                                    | 287.8                                                                               | 18,400                                                                              | 180                                                                                 |
| 185                                                                               | 35.0                                                                                  | 267.3                                                                             | 16,100                                                                            | 37.2                                                                                  | 273.7                                                                             | 18,900                                                                            | 40.4                                                                                    | 282.1                                                                               | 17,600                                                                              | 185                                                                                 |
| 190                                                                               | 32.5                                                                                  | 259.7                                                                             | 15,400                                                                            | 34.9                                                                                  | 266.8                                                                             | 18,100                                                                            | 38.3                                                                                    | 275.9                                                                               | 16,700                                                                              | 190                                                                                 |
| 195                                                                               | 29.8                                                                                  | 251.3                                                                             | 14,900                                                                            | 32.4                                                                                  | 259.1                                                                             | 17,200                                                                            | 36.0                                                                                    | 269.2                                                                               | 15,900                                                                              | 195                                                                                 |
| 200                                                                               | 26.9                                                                                  | 241.9                                                                             | 14,500                                                                            | 29.7                                                                                  | 250.7                                                                             | 16,400                                                                            | 33.6                                                                                    | 261.9                                                                               | 15,200                                                                              | 200                                                                                 |
| 205                                                                               | 23.7                                                                                  | 231.1                                                                             | 14,100                                                                            | 26.8                                                                                  | 241.3                                                                             | 15,700                                                                            | 31.0                                                                                    | 253.9                                                                               | 14,500                                                                              | 205                                                                                 |
| 210                                                                               | 19.9                                                                                  | 218.4                                                                             | 13,800                                                                            | 23.6                                                                                  | 230.5                                                                             | 15,000                                                                            | 28.2                                                                                    | 244.9                                                                               | 13,800                                                                              | 210                                                                                 |
| 215                                                                               | 15.3                                                                                  | 202.3                                                                             | 12,900                                                                            | 19.8                                                                                  | 217.7                                                                             | 14,300                                                                            | 25.1                                                                                    | 234.8                                                                               | 13,100                                                                              | 215                                                                                 |
| 220                                                                               | 8.5                                                                                   | 177.9                                                                             | 10,700                                                                            | 15.2                                                                                  | 201.5                                                                             | 13,300                                                                            | 21.6                                                                                    | 223.0                                                                               | 12,500                                                                              | 220                                                                                 |
| 222                                                                               | 2.4                                                                                   | 155.6                                                                             | 8,900                                                                             | 11.0                                                                                  | 186.8                                                                             | 12,100                                                                            | 19.0                                                                                    | 216.3                                                                               | 12,300                                                                              | 222                                                                                 |
| 227                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.0                                                                                   | 150.1                                                                             | 9,000                                                                             | 14.0                                                                                    | 199.3                                                                               | 11,700                                                                              | 227                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.0                                                                                    | 189.1                                                                               | 11,300                                                                              | 230                                                                                 |
| 234                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.4                                                                                     | 158.1                                                                               | 10,300                                                                              | 234                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 241                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 241                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 253                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 253                                                                                 |

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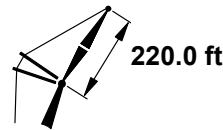
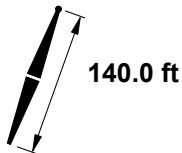
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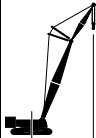
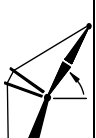
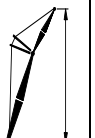
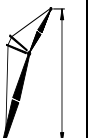


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 94  |      |       |        |      |       |        |      |       |        | 94  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 112 | 67.8 | 339.6 | 36,300 |      |       |        |      |       |        | 112 |
| 115 | 66.9 | 338.4 | 35,000 |      |       |        |      |       |        | 115 |
| 120 | 65.4 | 336.1 | 32,800 |      |       |        |      |       |        | 120 |
| 125 | 63.9 | 333.7 | 30,900 |      |       |        |      |       |        | 125 |
| 130 | 62.4 | 331.2 | 29,100 |      |       |        |      |       |        | 130 |
| 135 | 60.8 | 328.4 | 27,500 |      |       |        |      |       |        | 135 |
| 140 | 59.3 | 325.5 | 26,000 | 63.0 | 329.3 | 22,900 |      |       |        | 140 |
| 145 | 57.7 | 322.4 | 24,600 | 61.4 | 326.6 | 21,600 |      |       |        | 145 |
| 150 | 56.0 | 319.1 | 23,300 | 59.9 | 323.8 | 20,400 |      |       |        | 150 |
| 155 | 54.3 | 315.5 | 22,000 | 58.3 | 320.7 | 19,300 |      |       |        | 155 |
| 160 | 52.6 | 311.8 | 20,900 | 56.6 | 317.5 | 18,300 |      |       |        | 160 |
| 165 | 50.9 | 307.8 | 19,800 | 55.0 | 314.1 | 17,300 |      |       |        | 165 |
| 168 | 49.4 | 305.3 | 19,200 | 53.4 | 311.9 | 16,800 | 57.8 | 316.0 | 14,200 | 168 |
| 170 | 49.1 | 303.6 | 18,800 | 53.3 | 310.4 | 16,400 | 57.2 | 314.7 | 13,900 | 170 |
| 175 | 47.3 | 299.0 | 17,900 | 51.6 | 306.5 | 15,500 | 55.5 | 311.3 | 13,000 | 175 |
| 180 | 45.4 | 294.2 | 17,000 | 49.8 | 302.3 | 14,700 | 53.8 | 307.7 | 12,200 | 180 |
| 185 | 43.4 | 289.0 | 16,200 | 48.0 | 297.9 | 13,900 | 52.1 | 303.9 | 11,400 | 185 |
| 190 | 41.4 | 283.5 | 15,400 | 46.1 | 293.2 | 13,200 | 50.4 | 299.8 | 10,700 | 190 |
| 195 | 39.2 | 277.5 | 14,700 | 44.1 | 288.2 | 12,500 | 48.5 | 295.5 | 10,000 | 195 |
| 200 | 37.0 | 271.0 | 13,900 | 42.1 | 282.8 | 11,900 | 46.7 | 290.9 | 9,400  | 200 |
| 205 | 34.7 | 264.0 | 13,300 | 40.1 | 277.0 | 11,300 | 44.8 | 285.9 | 8,700  | 205 |
| 210 | 32.2 | 256.3 | 12,600 | 37.9 | 270.7 | 10,700 | 42.8 | 280.7 | 8,100  | 210 |
| 215 | 29.5 | 247.8 | 12,000 | 35.6 | 263.9 | 10,000 | 40.7 | 275.0 | 7,600  | 215 |
| 220 | 26.5 | 238.3 | 11,400 | 33.1 | 256.5 | 9,400  | 38.6 | 268.9 | 7,000  | 220 |
| 222 | 24.6 | 233.5 | 11,200 | 31.8 | 253.0 | 9,200  | 37.0 | 266.1 | 6,800  | 222 |
| 227 | 21.1 | 221.5 | 10,600 | 28.8 | 244.4 | 8,700  | 34.5 | 259.2 | 6,300  | 227 |
| 230 | 19.4 | 214.3 | 10,300 | 27.7 | 239.2 | 8,300  | 33.9 | 255.1 | 6,000  | 230 |
| 234 | 14.2 | 197.0 | 9,900  | 24.2 | 230.2 | 7,900  | 31.0 | 248.4 | 5,700  | 234 |
| 240 | 7.3  | 171.0 | 9,200  | 20.9 | 216.7 | 7,300  | 28.6 | 238.4 | 5,100  | 240 |
| 241 | 4.4  | 160.6 | 9,100  | 19.0 | 213.1 | 7,200  |      |       |        | 241 |
| 250 |      |       |        | 10.7 | 180.5 | 6,300  |      |       |        | 250 |
| 253 |      |       |        | 3.9  | 156.0 | 5,900  |      |       |        | 253 |



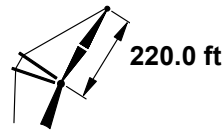
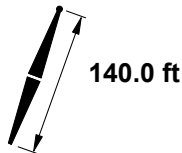
184,600 lb  
+  
44,000 lb



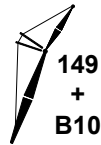
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 67                                                                                | 75.9                                                                                  | 361.1                                                                             | 34,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 67                                                                                  |
| 70                                                                                | 75.1                                                                                  | 360.3                                                                             | 33,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 73.7                                                                                  | 358.9                                                                             | 33,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 79                                                                                | 72.2                                                                                  | 357.6                                                                             | 33,200                                                                            | 74.0                                                                                  | 358.8                                                                             | 38,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 79                                                                                  |
| 80                                                                                | 72.4                                                                                  | 357.3                                                                             | 33,200                                                                            | 73.7                                                                                  | 358.5                                                                             | 38,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 71.0                                                                                  | 355.6                                                                             | 33,000                                                                            | 72.3                                                                                  | 356.9                                                                             | 37,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 69.6                                                                                  | 353.8                                                                             | 32,600                                                                            | 71.0                                                                                  | 355.2                                                                             | 37,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 68.2                                                                                  | 351.8                                                                             | 32,100                                                                            | 69.6                                                                                  | 353.4                                                                             | 37,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 97                                                                                | 67.2                                                                                  | 351.0                                                                             | 32,000                                                                            | 68.6                                                                                  | 352.6                                                                             | 37,200                                                                            | 71.0                                                                                    | 354.5                                                                               | 36,300                                                                              | 97                                                                                  |
| 100                                                                               | 66.8                                                                                  | 349.7                                                                             | 31,700                                                                            | 68.2                                                                                  | 351.4                                                                             | 37,000                                                                            | 70.2                                                                                    | 353.4                                                                               | 36,200                                                                              | 100                                                                                 |
| 105                                                                               | 65.4                                                                                  | 347.5                                                                             | 31,200                                                                            | 66.8                                                                                  | 349.3                                                                             | 36,700                                                                            | 68.8                                                                                    | 351.5                                                                               | 36,000                                                                              | 105                                                                                 |
| 110                                                                               | 63.9                                                                                  | 345.1                                                                             | 31,000                                                                            | 65.3                                                                                  | 347.1                                                                             | 36,300                                                                            | 67.4                                                                                    | 349.5                                                                               | 35,900                                                                              | 110                                                                                 |
| 115                                                                               | 62.5                                                                                  | 342.5                                                                             | 29,800                                                                            | 63.9                                                                                  | 344.7                                                                             | 35,100                                                                            | 66.0                                                                                    | 347.3                                                                               | 35,700                                                                              | 115                                                                                 |
| 120                                                                               | 61.0                                                                                  | 339.8                                                                             | 28,500                                                                            | 62.4                                                                                  | 342.1                                                                             | 33,800                                                                            | 64.6                                                                                    | 345.0                                                                               | 34,600                                                                              | 120                                                                                 |
| 125                                                                               | 59.5                                                                                  | 336.9                                                                             | 27,300                                                                            | 60.9                                                                                  | 339.4                                                                             | 32,500                                                                            | 63.1                                                                                    | 342.5                                                                               | 32,500                                                                              | 125                                                                                 |
| 130                                                                               | 57.9                                                                                  | 333.8                                                                             | 26,100                                                                            | 59.4                                                                                  | 336.5                                                                             | 31,200                                                                            | 61.6                                                                                    | 339.8                                                                               | 30,700                                                                              | 130                                                                                 |
| 135                                                                               | 56.4                                                                                  | 330.5                                                                             | 24,900                                                                            | 57.9                                                                                  | 333.4                                                                             | 29,900                                                                            | 60.1                                                                                    | 337.0                                                                               | 28,900                                                                              | 135                                                                                 |
| 140                                                                               | 54.8                                                                                  | 327.1                                                                             | 23,800                                                                            | 56.4                                                                                  | 330.1                                                                             | 28,700                                                                            | 58.6                                                                                    | 334.0                                                                               | 27,400                                                                              | 140                                                                                 |
| 145                                                                               | 53.2                                                                                  | 323.4                                                                             | 22,700                                                                            | 54.8                                                                                  | 326.6                                                                             | 27,400                                                                            | 57.1                                                                                    | 330.8                                                                               | 25,900                                                                              | 145                                                                                 |
| 150                                                                               | 51.5                                                                                  | 319.5                                                                             | 21,600                                                                            | 53.1                                                                                  | 322.9                                                                             | 26,200                                                                            | 55.5                                                                                    | 327.4                                                                               | 24,500                                                                              | 150                                                                                 |
| 155                                                                               | 49.8                                                                                  | 315.3                                                                             | 20,600                                                                            | 51.5                                                                                  | 319.0                                                                             | 24,900                                                                            | 53.9                                                                                    | 323.8                                                                               | 23,200                                                                              | 155                                                                                 |
| 160                                                                               | 48.1                                                                                  | 310.9                                                                             | 19,800                                                                            | 49.8                                                                                  | 314.9                                                                             | 23,700                                                                            | 52.3                                                                                    | 320.0                                                                               | 22,100                                                                              | 160                                                                                 |
| 165                                                                               | 46.3                                                                                  | 306.2                                                                             | 18,900                                                                            | 48.1                                                                                  | 310.5                                                                             | 22,500                                                                            | 50.6                                                                                    | 316.0                                                                               | 20,900                                                                              | 165                                                                                 |
| 170                                                                               | 44.5                                                                                  | 301.3                                                                             | 18,100                                                                            | 46.3                                                                                  | 305.8                                                                             | 21,400                                                                            | 48.9                                                                                    | 311.7                                                                               | 19,900                                                                              | 170                                                                                 |
| 173                                                                               | 42.8                                                                                  | 298.1                                                                             | 17,600                                                                            | 44.8                                                                                  | 302.8                                                                             | 20,800                                                                            | 47.4                                                                                    | 309.0                                                                               | 19,300                                                                              | 173                                                                                 |
| 175                                                                               | 42.6                                                                                  | 295.9                                                                             | 17,200                                                                            | 44.4                                                                                  | 300.8                                                                             | 20,400                                                                            | 47.1                                                                                    | 307.1                                                                               | 18,900                                                                              | 175                                                                                 |
| 180                                                                               | 40.6                                                                                  | 290.2                                                                             | 16,500                                                                            | 42.5                                                                                  | 295.5                                                                             | 19,400                                                                            | 45.3                                                                                    | 302.3                                                                               | 18,000                                                                              | 180                                                                                 |
| 185                                                                               | 38.6                                                                                  | 284.1                                                                             | 15,800                                                                            | 40.6                                                                                  | 289.7                                                                             | 18,500                                                                            | 43.4                                                                                    | 297.1                                                                               | 17,100                                                                              | 185                                                                                 |
| 190                                                                               | 36.4                                                                                  | 277.5                                                                             | 15,200                                                                            | 38.5                                                                                  | 283.6                                                                             | 17,600                                                                            | 41.5                                                                                    | 291.6                                                                               | 16,300                                                                              | 190                                                                                 |
| 195                                                                               | 34.1                                                                                  | 270.3                                                                             | 14,600                                                                            | 36.3                                                                                  | 277.0                                                                             | 16,800                                                                            | 39.5                                                                                    | 285.7                                                                               | 15,500                                                                              | 195                                                                                 |
| 200                                                                               | 31.7                                                                                  | 262.5                                                                             | 14,100                                                                            | 34.1                                                                                  | 269.8                                                                             | 16,000                                                                            | 37.3                                                                                    | 279.3                                                                               | 14,800                                                                              | 200                                                                                 |
| 205                                                                               | 29.1                                                                                  | 253.9                                                                             | 13,600                                                                            | 31.6                                                                                  | 262.0                                                                             | 15,300                                                                            | 35.1                                                                                    | 272.4                                                                               | 14,100                                                                              | 205                                                                                 |
| 210                                                                               | 26.3                                                                                  | 244.2                                                                             | 13,200                                                                            | 29.0                                                                                  | 253.3                                                                             | 14,600                                                                            | 32.8                                                                                    | 264.8                                                                               | 13,400                                                                              | 210                                                                                 |
| 215                                                                               | 23.1                                                                                  | 233.2                                                                             | 12,900                                                                            | 26.2                                                                                  | 243.6                                                                             | 13,900                                                                            | 30.2                                                                                    | 256.6                                                                               | 12,700                                                                              | 215                                                                                 |
| 220                                                                               | 19.5                                                                                  | 220.1                                                                             | 12,000                                                                            | 23.0                                                                                  | 232.5                                                                             | 13,300                                                                            | 27.5                                                                                    | 247.4                                                                               | 12,100                                                                              | 220                                                                                 |
| 225                                                                               | 15.0                                                                                  | 203.6                                                                             | 11,000                                                                            | 19.4                                                                                  | 219.4                                                                             | 12,200                                                                            | 24.5                                                                                    | 237.0                                                                               | 11,500                                                                              | 225                                                                                 |
| 230                                                                               | 8.3                                                                                   | 178.6                                                                             | 8,900                                                                             | 14.8                                                                                  | 202.8                                                                             | 11,200                                                                            | 21.1                                                                                    | 224.9                                                                               | 11,000                                                                              | 230                                                                                 |
| 232                                                                               | 2.4                                                                                   | 155.8                                                                             | 7,300                                                                             | 10.0                                                                                  | 187.8                                                                             | 10,100                                                                            | 19.0                                                                                    | 217.9                                                                               | 10,700                                                                              | 232                                                                                 |
| 237                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.0                                                                                   | 150.2                                                                             | 7,400                                                                             | 14.0                                                                                    | 200.6                                                                               | 10,200                                                                              | 237                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.7                                                                                    | 190.1                                                                               | 9,900                                                                               | 240                                                                                 |
| 244                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.3                                                                                     | 158.3                                                                               | 8,600                                                                               | 244                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 251                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 251                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 255                                                                                 |



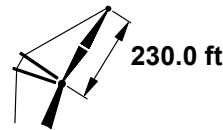
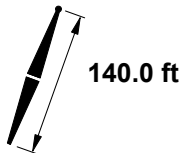
184,600 lb  
+  
44,000 lb

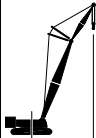
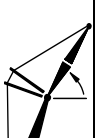
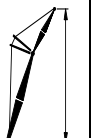
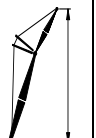
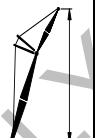
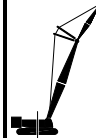


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 67  |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 79  |      |       |        |      |       |        |      |       |        | 79  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 97  |      |       |        |      |       |        |      |       |        | 97  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 68.0 | 349.2 | 34,500 |      |       |        |      |       |        | 115 |
| 120 | 66.6 | 347.1 | 32,300 |      |       |        |      |       |        | 120 |
| 125 | 65.2 | 344.8 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 63.8 | 342.4 | 28,600 |      |       |        |      |       |        | 130 |
| 135 | 62.3 | 339.8 | 27,000 |      |       |        |      |       |        | 135 |
| 140 | 60.8 | 337.1 | 25,500 |      |       |        |      |       |        | 140 |
| 145 | 59.3 | 334.2 | 24,100 | 62.8 | 338.0 | 21,100 |      |       |        | 145 |
| 150 | 57.8 | 331.0 | 22,800 | 61.4 | 335.3 | 19,900 |      |       |        | 150 |
| 155 | 56.2 | 327.8 | 21,600 | 59.9 | 332.4 | 18,800 |      |       |        | 155 |
| 160 | 54.6 | 324.3 | 20,400 | 58.3 | 329.4 | 17,800 |      |       |        | 160 |
| 165 | 53.0 | 320.6 | 19,400 | 56.8 | 326.2 | 16,800 |      |       |        | 165 |
| 170 | 51.3 | 316.6 | 18,400 | 55.2 | 322.8 | 15,900 |      |       |        | 170 |
| 173 | 49.8 | 314.1 | 17,800 | 53.8 | 320.6 | 15,400 | 57.9 | 324.7 | 12,500 | 173 |
| 175 | 49.6 | 312.5 | 17,400 | 53.6 | 319.1 | 15,000 | 57.3 | 323.4 | 12,200 | 175 |
| 180 | 47.9 | 308.0 | 16,600 | 52.0 | 315.3 | 14,200 | 55.7 | 320.0 | 11,400 | 180 |
| 185 | 46.1 | 303.3 | 15,700 | 50.3 | 311.2 | 13,400 | 54.1 | 316.5 | 10,600 | 185 |
| 190 | 44.3 | 298.3 | 14,900 | 48.6 | 306.9 | 12,700 | 52.5 | 312.7 | 9,900  | 190 |
| 195 | 42.3 | 292.9 | 14,200 | 46.8 | 302.3 | 12,000 | 50.8 | 308.7 | 9,200  | 195 |
| 200 | 40.4 | 287.2 | 13,500 | 45.0 | 297.4 | 11,300 | 49.1 | 304.4 | 8,600  | 200 |
| 205 | 38.3 | 281.0 | 12,800 | 43.1 | 292.1 | 10,600 | 47.4 | 299.9 | 8,000  | 205 |
| 210 | 36.1 | 274.3 | 12,200 | 41.1 | 286.5 | 10,000 | 45.5 | 295.1 | 7,400  | 210 |
| 215 | 33.8 | 267.1 | 11,600 | 39.1 | 280.5 | 9,300  | 43.7 | 290.0 | 6,800  | 215 |
| 220 | 31.4 | 259.2 | 11,000 | 37.0 | 274.0 | 8,800  | 41.8 | 284.5 | 6,300  | 220 |
| 225 | 28.8 | 250.4 | 10,400 | 34.7 | 267.0 | 8,200  | 39.7 | 278.6 | 5,800  | 225 |
| 230 | 25.9 | 240.6 | 9,900  | 32.3 | 259.4 | 7,600  | 37.6 | 272.3 | 5,300  | 230 |
| 232 | 23.6 | 235.7 | 9,700  | 31.0 | 255.8 | 7,400  |      |       |        | 232 |
| 237 | 20.1 | 223.3 | 9,200  | 28.5 | 246.9 | 6,900  |      |       |        | 237 |
| 240 | 19.0 | 216.0 | 8,900  | 27.0 | 241.6 | 6,600  |      |       |        | 240 |
| 244 | 13.6 | 198.2 | 8,400  | 24.2 | 232.3 | 6,200  |      |       |        | 244 |
| 250 | 7.1  | 171.6 | 7,800  | 20.5 | 218.5 | 5,600  |      |       |        | 250 |
| 251 | 4.3  | 160.9 | 7,700  | 19.2 | 215.4 | 5,600  |      |       |        | 251 |
| 255 |      |       |        | 16.2 | 203.1 | 5,200  |      |       |        | 255 |



184,600 lb  
+  
44,000 lb

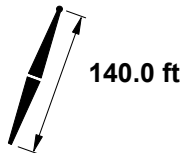


|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 69                                                                                | 76.0                                                                                  | 370.9                                                                             | 31,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 69                                                                                  |
| 70                                                                                | 75.8                                                                                  | 370.6                                                                             | 31,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 74.5                                                                                  | 369.3                                                                             | 31,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.2                                                                                  | 367.8                                                                             | 30,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 82                                                                                | 72.2                                                                                  | 367.1                                                                             | 30,700                                                                            | 73.9                                                                                  | 368.3                                                                             | 35,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 82                                                                                  |
| 85                                                                                | 71.9                                                                                  | 366.2                                                                             | 30,400                                                                            | 73.1                                                                                  | 367.4                                                                             | 35,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 70.5                                                                                  | 364.4                                                                             | 30,000                                                                            | 71.8                                                                                  | 365.8                                                                             | 35,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.2                                                                                  | 362.6                                                                             | 29,600                                                                            | 70.5                                                                                  | 364.1                                                                             | 34,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 67.9                                                                                  | 360.6                                                                             | 29,200                                                                            | 69.2                                                                                  | 362.2                                                                             | 34,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 101                                                                               | 66.8                                                                                  | 360.2                                                                             | 29,100                                                                            | 68.6                                                                                  | 361.8                                                                             | 34,600                                                                            | 70.8                                                                                    | 363.7                                                                               | 34,100                                                                              | 101                                                                                 |
| 105                                                                               | 66.5                                                                                  | 358.4                                                                             | 28,800                                                                            | 67.8                                                                                  | 360.2                                                                             | 34,400                                                                            | 69.8                                                                                    | 362.2                                                                               | 34,000                                                                              | 105                                                                                 |
| 110                                                                               | 65.1                                                                                  | 356.2                                                                             | 28,400                                                                            | 66.5                                                                                  | 358.1                                                                             | 34,100                                                                            | 68.4                                                                                    | 360.3                                                                               | 33,800                                                                              | 110                                                                                 |
| 115                                                                               | 63.8                                                                                  | 353.7                                                                             | 28,100                                                                            | 65.1                                                                                  | 355.8                                                                             | 33,000                                                                            | 67.1                                                                                    | 358.2                                                                               | 33,700                                                                              | 115                                                                                 |
| 119                                                                               | 62.2                                                                                  | 351.7                                                                             | 27,300                                                                            | 63.4                                                                                  | 353.8                                                                             | 32,100                                                                            | 65.4                                                                                    | 356.5                                                                               | 33,600                                                                              | 119                                                                                 |
| 120                                                                               | 62.4                                                                                  | 351.2                                                                             | 27,100                                                                            | 63.7                                                                                  | 353.3                                                                             | 31,900                                                                            | 65.7                                                                                    | 356.0                                                                               | 33,500                                                                              | 120                                                                                 |
| 125                                                                               | 60.9                                                                                  | 348.4                                                                             | 25,900                                                                            | 62.3                                                                                  | 350.8                                                                             | 30,800                                                                            | 64.4                                                                                    | 353.7                                                                               | 32,200                                                                              | 125                                                                                 |
| 130                                                                               | 59.5                                                                                  | 345.5                                                                             | 24,900                                                                            | 60.9                                                                                  | 348.0                                                                             | 29,600                                                                            | 63.0                                                                                    | 351.1                                                                               | 30,300                                                                              | 130                                                                                 |
| 135                                                                               | 58.0                                                                                  | 342.5                                                                             | 23,800                                                                            | 59.5                                                                                  | 345.1                                                                             | 28,500                                                                            | 61.6                                                                                    | 348.5                                                                               | 28,600                                                                              | 135                                                                                 |
| 140                                                                               | 56.6                                                                                  | 339.2                                                                             | 22,700                                                                            | 58.0                                                                                  | 342.0                                                                             | 27,300                                                                            | 60.1                                                                                    | 345.7                                                                               | 27,000                                                                              | 140                                                                                 |
| 145                                                                               | 55.0                                                                                  | 335.8                                                                             | 21,800                                                                            | 56.5                                                                                  | 338.8                                                                             | 26,200                                                                            | 58.7                                                                                    | 342.7                                                                               | 25,600                                                                              | 145                                                                                 |
| 149                                                                               | 53.4                                                                                  | 332.8                                                                             | 21,000                                                                            | 55.2                                                                                  | 336.0                                                                             | 25,400                                                                            | 57.2                                                                                    | 340.1                                                                               | 24,500                                                                              | 149                                                                                 |
| 150                                                                               | 53.5                                                                                  | 332.1                                                                             | 20,800                                                                            | 55.0                                                                                  | 335.3                                                                             | 25,200                                                                            | 57.2                                                                                    | 339.5                                                                               | 24,200                                                                              | 150                                                                                 |
| 155                                                                               | 51.9                                                                                  | 328.3                                                                             | 19,900                                                                            | 53.5                                                                                  | 331.7                                                                             | 24,100                                                                            | 55.7                                                                                    | 336.1                                                                               | 22,900                                                                              | 155                                                                                 |
| 160                                                                               | 50.3                                                                                  | 324.2                                                                             | 19,000                                                                            | 51.9                                                                                  | 327.8                                                                             | 23,100                                                                            | 54.2                                                                                    | 332.6                                                                               | 21,700                                                                              | 160                                                                                 |
| 165                                                                               | 48.7                                                                                  | 319.9                                                                             | 18,200                                                                            | 50.3                                                                                  | 323.8                                                                             | 22,100                                                                            | 52.6                                                                                    | 328.8                                                                               | 20,600                                                                              | 165                                                                                 |
| 170                                                                               | 47.0                                                                                  | 315.3                                                                             | 17,500                                                                            | 48.6                                                                                  | 319.4                                                                             | 21,100                                                                            | 51.0                                                                                    | 324.8                                                                               | 19,600                                                                              | 170                                                                                 |
| 175                                                                               | 45.2                                                                                  | 310.4                                                                             | 16,700                                                                            | 46.9                                                                                  | 314.8                                                                             | 20,100                                                                            | 49.4                                                                                    | 320.6                                                                               | 18,600                                                                              | 175                                                                                 |
| 178                                                                               | 43.8                                                                                  | 307.3                                                                             | 16,300                                                                            | 45.4                                                                                  | 311.9                                                                             | 19,500                                                                            | 47.8                                                                                    | 317.9                                                                               | 18,100                                                                              | 178                                                                                 |
| 180                                                                               | 43.5                                                                                  | 305.3                                                                             | 16,000                                                                            | 45.2                                                                                  | 310.0                                                                             | 19,100                                                                            | 47.7                                                                                    | 316.2                                                                               | 17,700                                                                              | 180                                                                                 |
| 185                                                                               | 41.6                                                                                  | 299.7                                                                             | 15,400                                                                            | 43.4                                                                                  | 304.8                                                                             | 18,200                                                                            | 46.0                                                                                    | 311.4                                                                               | 16,800                                                                              | 185                                                                                 |
| 190                                                                               | 39.7                                                                                  | 293.9                                                                             | 14,800                                                                            | 41.6                                                                                  | 299.3                                                                             | 17,400                                                                            | 44.2                                                                                    | 306.4                                                                               | 16,000                                                                              | 190                                                                                 |
| 195                                                                               | 37.7                                                                                  | 287.5                                                                             | 14,200                                                                            | 39.6                                                                                  | 293.4                                                                             | 16,500                                                                            | 42.4                                                                                    | 301.0                                                                               | 15,200                                                                              | 195                                                                                 |
| 200                                                                               | 35.6                                                                                  | 280.7                                                                             | 13,700                                                                            | 37.6                                                                                  | 287.0                                                                             | 15,800                                                                            | 40.5                                                                                    | 295.3                                                                               | 14,500                                                                              | 200                                                                                 |
| 210                                                                               | 31.0                                                                                  | 265.3                                                                             | 12,800                                                                            | 33.3                                                                                  | 272.8                                                                             | 14,300                                                                            | 36.5                                                                                    | 282.6                                                                               | 13,100                                                                              | 210                                                                                 |
| 220                                                                               | 25.7                                                                                  | 246.5                                                                             | 12,000                                                                            | 28.4                                                                                  | 255.8                                                                             | 13,000                                                                            | 32.0                                                                                    | 267.7                                                                               | 11,900                                                                              | 220                                                                                 |
| 225                                                                               | 22.6                                                                                  | 235.1                                                                             | 11,700                                                                            | 25.6                                                                                  | 245.9                                                                             | 12,400                                                                            | 29.6                                                                                    | 259.2                                                                               | 11,300                                                                              | 225                                                                                 |
| 230                                                                               | 19.0                                                                                  | 221.8                                                                             | 10,800                                                                            | 22.5                                                                                  | 234.5                                                                             | 11,800                                                                            | 26.9                                                                                    | 249.8                                                                               | 10,700                                                                              | 230                                                                                 |
| 240                                                                               | 8.1                                                                                   | 179.3                                                                             | 7,300                                                                             | 14.5                                                                                  | 204.1                                                                             | 9,600                                                                             | 20.6                                                                                    | 226.7                                                                               | 9,700                                                                               | 240                                                                                 |
| 242                                                                               | 2.3                                                                                   | 156.0                                                                             | 5,800                                                                             | 10.0                                                                                  | 188.7                                                                             | 8,600                                                                             | 18.2                                                                                    | 219.6                                                                               | 9,500                                                                               | 242                                                                                 |
| 247                                                                               |                                                                                       |                                                                                   |                                                                                   | 1.0                                                                                   | 150.2                                                                             | 5,900                                                                             | 13.7                                                                                    | 201.8                                                                               | 8,900                                                                               | 247                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.4                                                                                    | 191.1                                                                               | 8,600                                                                               | 250                                                                                 |
| 254                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.2                                                                                     | 158.6                                                                               | 7,100                                                                               | 254                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 260                                                                                 |
| 261                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 261                                                                                 |

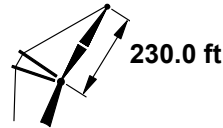




184,600 lb  
+  
44,000 lb

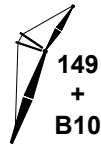


140.0 ft

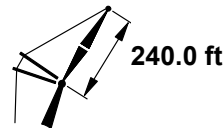
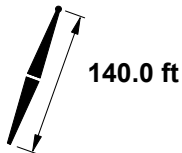


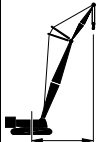
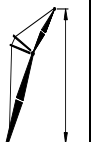
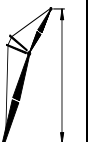
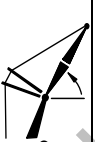
230.0 ft

|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft  |
| 69  |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 82  |      |       |        |      |       |        |      |       |        | 82  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 101 |      |       |        |      |       |        |      |       |        | 101 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        |      |       |        | 115 |
| 119 | 68.0 | 358.4 | 32,400 |      |       |        |      |       |        | 119 |
| 120 | 67.7 | 358.0 | 32,000 |      |       |        |      |       |        | 120 |
| 125 | 66.3 | 355.8 | 30,100 |      |       |        |      |       |        | 125 |
| 130 | 65.0 | 353.5 | 28,300 |      |       |        |      |       |        | 130 |
| 135 | 63.6 | 351.1 | 26,700 |      |       |        |      |       |        | 135 |
| 140 | 62.2 | 348.5 | 25,200 |      |       |        |      |       |        | 140 |
| 145 | 60.8 | 345.7 | 23,800 |      |       |        |      |       |        | 145 |
| 149 | 59.2 | 343.4 | 22,700 | 63.0 | 347.2 | 19,800 |      |       |        | 149 |
| 150 | 59.3 | 342.8 | 22,500 | 62.7 | 346.6 | 19,600 |      |       |        | 150 |
| 155 | 57.9 | 339.7 | 21,200 | 61.3 | 344.0 | 18,500 |      |       |        | 155 |
| 160 | 56.4 | 336.4 | 20,100 | 59.9 | 341.1 | 17,400 |      |       |        | 160 |
| 165 | 54.9 | 333.0 | 19,100 | 58.4 | 338.1 | 16,500 |      |       |        | 165 |
| 170 | 53.3 | 329.3 | 18,100 | 56.9 | 334.9 | 15,600 |      |       |        | 170 |
| 175 | 51.7 | 325.4 | 17,100 | 55.4 | 331.5 | 14,700 |      |       |        | 175 |
| 178 | 50.4 | 323.0 | 16,600 | 53.8 | 329.3 | 14,200 | 58.0 | 333.3 | 11,200 | 178 |
| 180 | 50.1 | 321.3 | 16,300 | 53.9 | 327.9 | 13,900 | 57.4 | 332.0 | 10,900 | 180 |
| 185 | 48.5 | 317.0 | 15,400 | 52.3 | 324.1 | 13,100 | 55.9 | 328.7 | 10,200 | 185 |
| 190 | 46.8 | 312.4 | 14,600 | 50.7 | 320.1 | 12,300 | 54.4 | 325.2 | 9,400  | 190 |
| 195 | 45.0 | 307.5 | 13,900 | 49.1 | 315.8 | 11,500 | 52.8 | 321.5 | 8,800  | 195 |
| 200 | 43.2 | 302.3 | 13,200 | 47.4 | 311.3 | 10,800 | 51.2 | 317.5 | 8,100  | 200 |
| 210 | 39.4 | 290.8 | 11,900 | 43.9 | 301.4 | 9,500  | 48.0 | 308.9 | 6,900  | 210 |
| 220 | 35.3 | 277.5 | 10,700 | 40.2 | 290.2 | 8,300  | 44.5 | 299.2 | 5,900  | 220 |
| 225 | 33.1 | 270.0 | 10,100 | 38.2 | 284.0 | 7,700  | 42.7 | 293.9 | 5,300  | 225 |
| 230 | 30.7 | 261.9 | 9,600  | 36.1 | 277.3 | 7,200  |      |       |        | 230 |
| 240 | 25.3 | 242.8 | 8,500  | 31.6 | 262.2 | 6,200  |      |       |        | 240 |
| 242 | 23.6 | 237.8 | 8,300  | 30.0 | 258.6 | 6,000  |      |       |        | 242 |
| 247 | 20.1 | 225.1 | 7,800  | 27.5 | 249.4 | 5,500  |      |       |        | 247 |
| 250 | 18.5 | 217.6 | 7,400  | 26.4 | 243.9 | 5,300  |      |       |        | 250 |
| 254 | 13.2 | 199.4 | 7,000  |      |       |        |      |       |        | 254 |
| 260 | 6.9  | 172.2 | 6,400  |      |       |        |      |       |        | 260 |
| 261 | 4.2  | 161.3 | 6,300  |      |       |        |      |       |        | 261 |



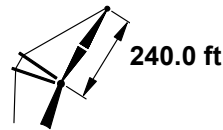
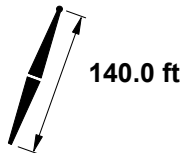
184,600 lb  
+  
44,000 lb



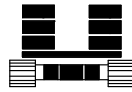
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 73                                                                                   | 75.9                                                                                  | 380.5                                                                                | 28,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 73                                                                                     |
| 75                                                                                   | 75.4                                                                                  | 380.0                                                                                | 27,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 74.2                                                                                  | 378.6                                                                                | 27,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 72.9                                                                                  | 377.1                                                                                | 27,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 86                                                                                   | 71.8                                                                                  | 376.7                                                                                | 27,400                                                                               | 73.9                                                                                  | 377.9                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 86                                                                                     |
| 90                                                                                   | 71.7                                                                                  | 375.4                                                                                | 27,200                                                                               | 72.9                                                                                  | 376.7                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 95                                                                                   | 70.4                                                                                  | 373.7                                                                                | 27,000                                                                               | 71.6                                                                                  | 375.1                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 100                                                                                  | 69.1                                                                                  | 371.8                                                                                | 26,600                                                                               | 70.4                                                                                  | 373.3                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 100                                                                                    |
| 105                                                                                  | 67.9                                                                                  | 369.8                                                                                | 26,300                                                                               | 69.1                                                                                  | 371.4                                                                                | 29,500                                                                               | 71.0                                                                                    | 373.3                                                                                  | 29,500                                                                                 | 105                                                                                    |
| 110                                                                                  | 66.6                                                                                  | 367.7                                                                                | 25,900                                                                               | 67.8                                                                                  | 369.4                                                                                | 29,500                                                                               | 69.7                                                                                    | 371.5                                                                                  | 29,500                                                                                 | 110                                                                                    |
| 115                                                                                  | 65.2                                                                                  | 365.4                                                                                | 25,600                                                                               | 66.5                                                                                  | 367.3                                                                                | 29,500                                                                               | 68.4                                                                                    | 369.5                                                                                  | 29,500                                                                                 | 115                                                                                    |
| 120                                                                                  | 63.9                                                                                  | 363.0                                                                                | 25,300                                                                               | 65.2                                                                                  | 365.0                                                                                | 29,500                                                                               | 67.1                                                                                    | 367.5                                                                                  | 29,500                                                                                 | 120                                                                                    |
| 124                                                                                  | 62.2                                                                                  | 361.0                                                                                | 25,000                                                                               | 63.4                                                                                  | 363.1                                                                                | 29,500                                                                               | 65.4                                                                                    | 365.7                                                                                  | 29,500                                                                                 | 124                                                                                    |
| 125                                                                                  | 62.6                                                                                  | 360.5                                                                                | 25,000                                                                               | 63.9                                                                                  | 362.6                                                                                | 29,500                                                                               | 65.8                                                                                    | 365.3                                                                                  | 29,500                                                                                 | 125                                                                                    |
| 130                                                                                  | 61.2                                                                                  | 357.7                                                                                | 24,300                                                                               | 62.5                                                                                  | 360.1                                                                                | 28,500                                                                               | 64.5                                                                                    | 362.9                                                                                  | 29,400                                                                                 | 130                                                                                    |
| 135                                                                                  | 59.8                                                                                  | 354.9                                                                                | 23,400                                                                               | 61.2                                                                                  | 357.3                                                                                | 27,600                                                                               | 63.2                                                                                    | 360.4                                                                                  | 28,300                                                                                 | 135                                                                                    |
| 140                                                                                  | 58.4                                                                                  | 351.9                                                                                | 22,400                                                                               | 59.8                                                                                  | 354.5                                                                                | 26,600                                                                               | 61.8                                                                                    | 357.8                                                                                  | 26,700                                                                                 | 140                                                                                    |
| 145                                                                                  | 57.0                                                                                  | 348.7                                                                                | 21,500                                                                               | 58.4                                                                                  | 351.4                                                                                | 25,600                                                                               | 60.4                                                                                    | 355.0                                                                                  | 25,200                                                                                 | 145                                                                                    |
| 150                                                                                  | 55.6                                                                                  | 345.3                                                                                | 20,700                                                                               | 57.0                                                                                  | 348.2                                                                                | 24,700                                                                               | 59.1                                                                                    | 352.0                                                                                  | 23,900                                                                                 | 150                                                                                    |
| 155                                                                                  | 54.1                                                                                  | 341.7                                                                                | 19,800                                                                               | 55.6                                                                                  | 344.9                                                                                | 23,700                                                                               | 57.6                                                                                    | 348.9                                                                                  | 22,600                                                                                 | 155                                                                                    |
| 160                                                                                  | 52.6                                                                                  | 338.0                                                                                | 18,900                                                                               | 54.1                                                                                  | 341.3                                                                                | 22,800                                                                               | 56.2                                                                                    | 345.6                                                                                  | 21,400                                                                                 | 160                                                                                    |
| 165                                                                                  | 51.1                                                                                  | 334.0                                                                                | 18,100                                                                               | 52.6                                                                                  | 337.5                                                                                | 21,900                                                                               | 54.8                                                                                    | 342.1                                                                                  | 20,300                                                                                 | 165                                                                                    |
| 170                                                                                  | 49.6                                                                                  | 329.8                                                                                | 17,300                                                                               | 51.1                                                                                  | 333.6                                                                                | 20,800                                                                               | 53.3                                                                                    | 338.5                                                                                  | 19,300                                                                                 | 170                                                                                    |
| 175                                                                                  | 48.0                                                                                  | 325.4                                                                                | 16,600                                                                               | 49.5                                                                                  | 329.4                                                                                | 19,800                                                                               | 51.8                                                                                    | 334.6                                                                                  | 18,300                                                                                 | 175                                                                                    |
| 180                                                                                  | 46.3                                                                                  | 320.7                                                                                | 16,000                                                                               | 47.9                                                                                  | 324.9                                                                                | 18,800                                                                               | 50.2                                                                                    | 330.5                                                                                  | 17,400                                                                                 | 180                                                                                    |
| 185                                                                                  | 44.6                                                                                  | 315.7                                                                                | 15,300                                                                               | 46.3                                                                                  | 320.2                                                                                | 17,900                                                                               | 48.7                                                                                    | 326.2                                                                                  | 16,500                                                                                 | 185                                                                                    |
| 190                                                                                  | 42.9                                                                                  | 310.4                                                                                | 14,700                                                                               | 44.6                                                                                  | 315.3                                                                                | 17,000                                                                               | 47.0                                                                                    | 321.6                                                                                  | 15,700                                                                                 | 190                                                                                    |
| 195                                                                                  | 41.1                                                                                  | 304.8                                                                                | 14,100                                                                               | 42.9                                                                                  | 310.0                                                                                | 16,200                                                                               | 45.4                                                                                    | 316.7                                                                                  | 14,900                                                                                 | 195                                                                                    |
| 200                                                                                  | 39.2                                                                                  | 298.8                                                                                | 13,600                                                                               | 41.1                                                                                  | 304.3                                                                                | 15,400                                                                               | 43.7                                                                                    | 311.6                                                                                  | 14,100                                                                                 | 200                                                                                    |
| 205                                                                                  | 37.3                                                                                  | 292.4                                                                                | 13,100                                                                               | 39.2                                                                                  | 298.4                                                                                | 14,700                                                                               | 41.9                                                                                    | 306.1                                                                                  | 13,400                                                                                 | 205                                                                                    |
| 210                                                                                  | 35.3                                                                                  | 285.5                                                                                | 12,600                                                                               | 37.3                                                                                  | 291.9                                                                                | 14,000                                                                               | 40.1                                                                                    | 300.3                                                                                  | 12,800                                                                                 | 210                                                                                    |
| 215                                                                                  | 33.1                                                                                  | 278.1                                                                                | 12,200                                                                               | 35.2                                                                                  | 285.0                                                                                | 13,300                                                                               | 38.2                                                                                    | 294.1                                                                                  | 12,100                                                                                 | 215                                                                                    |
| 220                                                                                  | 30.9                                                                                  | 270.0                                                                                | 11,800                                                                               | 33.1                                                                                  | 277.6                                                                                | 12,700                                                                               | 36.2                                                                                    | 287.4                                                                                  | 11,500                                                                                 | 220                                                                                    |
| 225                                                                                  | 28.4                                                                                  | 261.1                                                                                | 11,400                                                                               | 30.8                                                                                  | 269.5                                                                                | 12,100                                                                               | 34.1                                                                                    | 280.2                                                                                  | 10,900                                                                                 | 225                                                                                    |
| 230                                                                                  | 25.8                                                                                  | 251.2                                                                                | 10,800                                                                               | 28.4                                                                                  | 260.5                                                                                | 11,500                                                                               | 31.9                                                                                    | 272.4                                                                                  | 10,400                                                                                 | 230                                                                                    |
| 235                                                                                  | 22.8                                                                                  | 240.0                                                                                | 10,100                                                                               | 25.7                                                                                  | 250.6                                                                                | 10,900                                                                               | 29.5                                                                                    | 263.9                                                                                  | 9,800                                                                                  | 235                                                                                    |
| 240                                                                                  | 19.5                                                                                  | 226.8                                                                                | 9,300                                                                                | 22.8                                                                                  | 239.3                                                                                | 10,400                                                                               | 26.9                                                                                    | 254.5                                                                                  | 9,300                                                                                  | 240                                                                                    |
| 245                                                                                  | 15.4                                                                                  | 210.6                                                                                | 8,000                                                                                | 19.4                                                                                  | 226.1                                                                                | 9,700                                                                                | 24.1                                                                                    | 243.8                                                                                  | 8,800                                                                                  | 245                                                                                    |
| 250                                                                                  | 9.8                                                                                   | 187.7                                                                                | 6,300                                                                                | 15.3                                                                                  | 209.8                                                                                | 8,300                                                                                | 21.0                                                                                    | 231.6                                                                                  | 8,300                                                                                  | 250                                                                                    |
| 255                                                                                  |                                                                                       |                                                                                      |                                                                                      | 9.7                                                                                   | 186.6                                                                                | 6,600                                                                                | 17.3                                                                                    | 217.0                                                                                  | 7,800                                                                                  | 255                                                                                    |
| 260                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 12.6                                                                                    | 197.8                                                                                  | 7,200                                                                                  | 260                                                                                    |
| 265                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.9                                                                                     | 161.8                                                                                  | 5,800                                                                                  | 265                                                                                    |



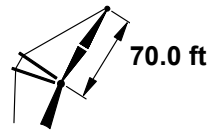
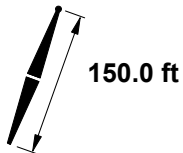
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |       |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft    |     |
| 73  |      |       |        |      |       |        |      |       |       | 73  |
| 75  |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |       | 85  |
| 86  |      |       |        |      |       |        |      |       |       | 86  |
| 90  |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |       | 110 |
| 115 |      |       |        |      |       |        |      |       |       | 115 |
| 120 |      |       |        |      |       |        |      |       |       | 120 |
| 124 | 68.0 | 367.6 | 29,500 |      |       |        |      |       |       | 124 |
| 125 | 67.7 | 367.2 | 29,500 |      |       |        |      |       |       | 125 |
| 130 | 66.4 | 365.1 | 27,900 |      |       |        |      |       |       | 130 |
| 135 | 65.1 | 362.8 | 26,300 |      |       |        |      |       |       | 135 |
| 140 | 63.8 | 360.3 | 24,800 |      |       |        |      |       |       | 140 |
| 145 | 62.4 | 357.8 | 23,400 |      |       |        |      |       |       | 145 |
| 150 | 61.1 | 355.1 | 22,100 |      |       |        |      |       |       | 150 |
| 155 | 59.7 | 352.2 | 20,900 | 62.9 | 355.9 | 18,000 |      |       |       | 155 |
| 160 | 58.3 | 349.1 | 19,700 | 61.6 | 353.3 | 17,000 |      |       |       | 160 |
| 165 | 56.9 | 345.9 | 18,700 | 60.2 | 350.4 | 16,000 |      |       |       | 165 |
| 170 | 55.4 | 342.5 | 17,700 | 58.8 | 347.5 | 15,100 |      |       |       | 170 |
| 175 | 53.9 | 338.9 | 16,800 | 57.4 | 344.3 | 14,200 |      |       |       | 175 |
| 180 | 52.5 | 335.1 | 15,900 | 56.0 | 341.0 | 13,300 |      |       |       | 180 |
| 185 | 50.9 | 331.2 | 15,100 | 54.5 | 337.5 | 12,500 | 57.8 | 341.5 | 9,500 | 185 |
| 190 | 49.4 | 326.9 | 14,300 | 53.0 | 333.8 | 11,700 | 56.4 | 338.2 | 8,800 | 190 |
| 195 | 47.8 | 322.5 | 13,500 | 51.5 | 329.8 | 10,900 | 55.0 | 334.7 | 8,100 | 195 |
| 200 | 46.1 | 317.7 | 12,800 | 50.0 | 325.7 | 10,200 | 53.5 | 331.1 | 7,500 | 200 |
| 205 | 44.4 | 312.7 | 12,200 | 48.4 | 321.3 | 9,500  | 52.0 | 327.3 | 6,900 | 205 |
| 210 | 42.7 | 307.4 | 11,500 | 46.7 | 316.7 | 8,900  | 50.4 | 323.2 | 6,300 | 210 |
| 215 | 40.9 | 301.8 | 10,900 | 45.1 | 311.8 | 8,300  | 48.9 | 318.9 | 5,700 | 215 |
| 220 | 39.0 | 295.7 | 10,300 | 43.3 | 306.6 | 7,700  | 47.3 | 314.4 | 5,200 | 220 |
| 225 | 37.1 | 289.3 | 9,700  | 41.6 | 301.1 | 7,100  |      |       |       | 225 |
| 230 | 35.0 | 282.3 | 9,100  | 39.7 | 295.2 | 6,600  |      |       |       | 230 |
| 235 | 32.9 | 274.8 | 8,500  | 37.8 | 288.9 | 6,100  |      |       |       | 235 |
| 240 | 30.6 | 266.6 | 8,000  | 35.8 | 282.2 | 5,600  |      |       |       | 240 |
| 245 | 28.1 | 257.6 | 7,400  | 33.7 | 274.9 | 5,100  |      |       |       | 245 |
| 250 | 25.4 | 247.6 | 6,900  |      |       |        |      |       |       | 250 |
| 255 | 22.5 | 236.1 | 6,400  |      |       |        |      |       |       | 255 |
| 260 | 19.0 | 222.7 | 6,000  |      |       |        |      |       |       | 260 |
| 265 | 14.9 | 206.0 | 5,500  |      |       |        |      |       |       | 265 |



184,600 lb  
+  
44,000 lb



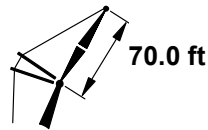
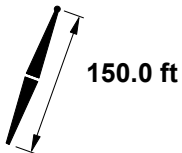
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 32  | 74.9 | 225.3 | 129,500 d |      |       |           |      |       |           | 32  |
| 34  | 73.2 | 224.6 | 127,400 d |      |       |           |      |       |           | 34  |
| 36  | 71.4 | 224.0 | 125,400 d |      |       |           |      |       |           | 36  |
| 38  | 69.7 | 223.2 | 123,300 d |      |       |           |      |       |           | 38  |
| 39  | 68.0 | 222.8 | 123,100 d | 73.4 | 224.4 | 133,300 d |      |       |           | 39  |
| 40  | 67.9 | 222.4 | 122,900 c | 72.5 | 224.0 | 131,300 d |      |       |           | 40  |
| 45  | 63.4 | 220.0 | 114,400 b | 68.1 | 222.1 | 122,300 c |      |       |           | 45  |
| 50  | 58.7 | 217.1 | 106,800 b | 63.6 | 219.8 | 114,100 b | 70.6 | 222.4 | 122,000 d | 50  |
| 55  | 53.7 | 213.6 | 100,000   | 58.9 | 216.9 | 106,600 b | 66.2 | 220.3 | 107,700 b | 55  |
| 60  | 48.3 | 209.4 | 94,100    | 53.9 | 213.5 | 99,900    | 61.6 | 217.7 | 96,200 b  | 60  |
| 61  | 46.8 | 208.4 | 92,500    | 52.0 | 212.6 | 98,100    | 60.0 | 217.1 | 94,300 b  | 61  |
| 65  | 42.5 | 204.3 | 86,200    | 48.6 | 209.3 | 90,700    | 56.7 | 214.6 | 86,800    | 65  |
| 70  | 35.8 | 197.9 | 79,200    | 42.7 | 204.2 | 82,500    | 51.6 | 210.9 | 78,900    | 70  |
| 75  | 27.8 | 189.5 | 73,800    | 36.1 | 197.9 | 75,500    | 46.1 | 206.3 | 72,200    | 75  |
| 79  | 18.2 | 179.1 | 71,000    | 29.6 | 191.3 | 70,700    | 40.4 | 201.9 | 67,700    | 79  |
| 80  | 16.4 | 176.5 | 70,300    | 28.2 | 189.6 | 69,500    | 40.0 | 200.8 | 66,500    | 80  |
| 82  | 7.9  | 166.3 | 59,300    | 23.6 | 184.6 | 67,300    | 36.2 | 197.9 | 64,500    | 82  |
| 85  |      |       |           | 17.1 | 177.0 | 64,200    | 32.9 | 193.7 | 61,500    | 85  |
| 87  |      |       |           | 9.3  | 167.7 | 62,100    | 28.4 | 189.8 | 59,700    | 87  |
| 90  |      |       |           |      |       |           | 24.0 | 184.1 | 57,100    | 90  |
| 95  |      |       |           |      |       |           | 8.1  | 165.4 | 53,000    | 95  |
| 97  |      |       |           |      |       |           |      |       |           | 97  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 103 |      |       |           |      |       |           |      |       |           | 103 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 114 |      |       |           |      |       |           |      |       |           | 114 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 116 |      |       |           |      |       |           |      |       |           | 116 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 128 |      |       |           |      |       |           |      |       |           | 128 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |

# MLC250 S-2

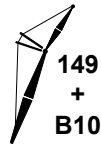
ASME B30.5



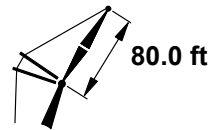
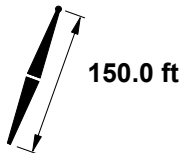
184,600 lb  
+  
44,000 lb

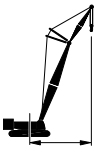
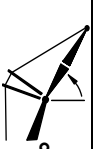
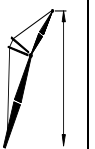
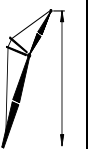
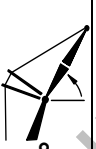
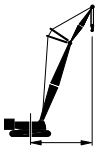


|     | 80°  |       |          | 75°  |       |          | 70°  |       |          | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|----------|------|-------|----------|------|-------|--------|-----|
|     |      |       |          |      |       |          |      |       |          |      |       |        |     |
| 32  |      |       |          |      |       |          |      |       |          |      |       |        | 32  |
| 34  |      |       |          |      |       |          |      |       |          |      |       |        | 34  |
| 36  |      |       |          |      |       |          |      |       |          |      |       |        | 36  |
| 38  |      |       |          |      |       |          |      |       |          |      |       |        | 38  |
| 39  |      |       |          |      |       |          |      |       |          |      |       |        | 39  |
| 40  |      |       |          |      |       |          |      |       |          |      |       |        | 40  |
| 45  |      |       |          |      |       |          |      |       |          |      |       |        | 45  |
| 50  |      |       |          |      |       |          |      |       |          |      |       |        | 50  |
| 55  |      |       |          |      |       |          |      |       |          |      |       |        | 55  |
| 60  |      |       |          |      |       |          |      |       |          |      |       |        | 60  |
| 61  | 67.7 | 219.8 | 89,900 c |      |       |          |      |       |          |      |       |        | 61  |
| 65  | 64.1 | 217.9 | 82,900 b |      |       |          |      |       |          |      |       |        | 65  |
| 70  | 59.4 | 215.1 | 75,400 b |      |       |          |      |       |          |      |       |        | 70  |
| 75  | 54.5 | 211.7 | 69,000   |      |       |          |      |       |          |      |       |        | 75  |
| 79  | 50.0 | 208.5 | 64,600   | 62.9 | 214.2 | 59,500 b |      |       |          |      |       |        | 79  |
| 80  | 49.2 | 207.6 | 63,500   | 62.0 | 213.7 | 58,500 b |      |       |          |      |       |        | 80  |
| 82  | 46.6 | 205.7 | 61,600   | 60.0 | 212.5 | 56,700 b |      |       |          |      |       |        | 82  |
| 85  | 43.4 | 202.7 | 58,700   | 57.2 | 210.6 | 54,100   |      |       |          |      |       |        | 85  |
| 87  | 40.2 | 200.2 | 57,100   | 55.0 | 209.2 | 52,600   |      |       |          |      |       |        | 87  |
| 90  | 36.9 | 196.5 | 54,600   | 52.1 | 206.9 | 50,200   |      |       |          |      |       |        | 90  |
| 95  | 29.2 | 188.5 | 50,800   | 46.6 | 202.5 | 46,800   |      |       |          |      |       |        | 95  |
| 97  | 24.6 | 183.8 | 49,500   | 43.6 | 200.3 | 45,600   | 57.6 | 206.8 | 41,700 b |      |       |        | 97  |
| 100 | 18.7 | 176.7 | 47,400   | 40.6 | 197.0 | 43,800   | 54.6 | 204.7 | 40,000   |      |       |        | 100 |
| 103 | 6.1  | 161.7 | 45,500   | 35.8 | 192.9 | 42,100   | 51.0 | 202.3 | 38,500   |      |       |        | 103 |
| 105 |      |       |          | 33.6 | 190.2 | 41,000   | 49.4 | 200.6 | 37,500   |      |       |        | 105 |
| 110 |      |       |          | 25.0 | 180.9 | 38,500   | 43.6 | 195.7 | 35,200   |      |       |        | 110 |
| 114 |      |       |          | 12.8 | 167.6 | 36,600   | 38.2 | 190.8 | 33,500   | 52.6 | 198.0 | 30,400 | 114 |
| 115 |      |       |          | 10.8 | 164.3 | 36,100   | 37.1 | 189.6 | 33,100   | 51.5 | 197.2 | 30,000 | 115 |
| 116 |      |       |          | 1.9  | 153.6 | 35,500   | 35.4 | 188.0 | 32,700   | 49.8 | 196.3 | 29,700 | 116 |
| 120 |      |       |          |      |       |          | 29.5 | 181.7 | 31,200   | 46.0 | 192.6 | 28,300 | 120 |
| 125 |      |       |          |      |       |          | 19.1 | 170.0 | 29,400   | 39.9 | 187.0 | 26,700 | 125 |
| 128 |      |       |          |      |       |          | 7.4  | 156.1 | 28,300   | 34.8 | 182.8 | 25,800 | 128 |
| 130 |      |       |          |      |       |          |      |       |          | 32.8 | 180.0 | 25,200 | 130 |
| 135 |      |       |          |      |       |          |      |       |          | 23.8 | 170.2 | 23,800 | 135 |
| 140 |      |       |          |      |       |          |      |       |          | 7.5  | 151.1 | 22,400 | 140 |



184,600 lb  
+  
44,000 lb



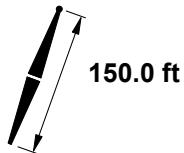
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 34                                                                                   | 75.3                                                                                  | 235.1                                                                                | 116,400 <b>d</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 34                                                                                     |
| 36                                                                                   | 73.8                                                                                  | 234.5                                                                                | 114,800 <b>d</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 36                                                                                     |
| 38                                                                                   | 72.3                                                                                  | 233.8                                                                                | 113,000 <b>d</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 70.8                                                                                  | 233.1                                                                                | 111,300 <b>c</b>                                                                     |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 41                                                                                   | 69.2                                                                                  | 232.7                                                                                | 110,500 <b>c</b>                                                                     | 74.0                                                                                  | 234.2                                                                                | 124,400 <b>d</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 41                                                                                     |
| 45                                                                                   | 67.0                                                                                  | 231.1                                                                                | 107,200 <b>b</b>                                                                     | 71.0                                                                                  | 232.9                                                                                | 118,000 <b>c</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 63.0                                                                                  | 228.7                                                                                | 103,500 <b>b</b>                                                                     | 67.1                                                                                  | 230.9                                                                                | 110,400 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 53                                                                                   | 59.6                                                                                  | 226.9                                                                                | 99,600 <b>b</b>                                                                      | 64.6                                                                                  | 229.4                                                                                | 106,200 <b>b</b>                                                                     | 70.8                                                                                    | 231.9                                                                                  | 112,500 <b>c</b>                                                                       | 53                                                                                     |
| 55                                                                                   | 58.8                                                                                  | 225.8                                                                                | 97,100                                                                               | 63.1                                                                                  | 228.5                                                                                | 103,400 <b>b</b>                                                                     | 69.3                                                                                    | 231.2                                                                                  | 107,200 <b>b</b>                                                                       | 55                                                                                     |
| 60                                                                                   | 54.5                                                                                  | 222.4                                                                                | 90,800                                                                               | 59.0                                                                                  | 225.6                                                                                | 97,100                                                                               | 65.4                                                                                    | 229.0                                                                                  | 95,700 <b>b</b>                                                                        | 60                                                                                     |
| 65                                                                                   | 49.9                                                                                  | 218.4                                                                                | 82,800                                                                               | 54.7                                                                                  | 222.2                                                                                | 90,300                                                                               | 61.4                                                                                    | 226.4                                                                                  | 86,300                                                                                 | 65                                                                                     |
| 70                                                                                   | 45.0                                                                                  | 213.6                                                                                | 75,700                                                                               | 50.1                                                                                  | 218.2                                                                                | 82,100                                                                               | 57.1                                                                                    | 223.3                                                                                  | 78,500                                                                                 | 70                                                                                     |
| 75                                                                                   | 39.5                                                                                  | 208.0                                                                                | 69,700                                                                               | 45.2                                                                                  | 213.5                                                                                | 75,200                                                                               | 52.7                                                                                    | 219.7                                                                                  | 71,800                                                                                 | 75                                                                                     |
| 80                                                                                   | 33.4                                                                                  | 200.9                                                                                | 64,600                                                                               | 39.8                                                                                  | 207.9                                                                                | 69,200                                                                               | 48.0                                                                                    | 215.4                                                                                  | 66,100                                                                                 | 80                                                                                     |
| 84                                                                                   | 26.6                                                                                  | 193.6                                                                                | 61,500                                                                               | 34.2                                                                                  | 202.3                                                                                | 65,100                                                                               | 43.2                                                                                    | 211.3                                                                                  | 62,200                                                                                 | 84                                                                                     |
| 85                                                                                   | 25.9                                                                                  | 191.8                                                                                | 60,800                                                                               | 33.7                                                                                  | 200.9                                                                                | 64,000                                                                               | 42.9                                                                                    | 210.3                                                                                  | 61,200                                                                                 | 85                                                                                     |
| 90                                                                                   | 15.3                                                                                  | 177.8                                                                                | 58,000                                                                               | 26.3                                                                                  | 192.0                                                                                | 59,500                                                                               | 37.2                                                                                    | 204.2                                                                                  | 56,800                                                                                 | 90                                                                                     |
| 92                                                                                   | 7.3                                                                                   | 166.9                                                                                | 52,700                                                                               | 21.6                                                                                  | 186.5                                                                                | 57,800                                                                               | 34.2                                                                                    | 201.1                                                                                  | 55,300                                                                                 | 92                                                                                     |
| 95                                                                                   |                                                                                       |                                                                                      |                                                                                      | 15.9                                                                                  | 178.3                                                                                | 55,400                                                                               | 30.6                                                                                    | 196.5                                                                                  | 53,000                                                                                 | 95                                                                                     |
| 97                                                                                   |                                                                                       |                                                                                      |                                                                                      | 8.6                                                                                   | 168.4                                                                                | 53,800                                                                               | 26.8                                                                                    | 192.3                                                                                  | 51,600                                                                                 | 97                                                                                     |
| 100                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 22.3                                                                                    | 186.0                                                                                  | 49,500                                                                                 | 100                                                                                    |
| 102                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 16.0                                                                                    | 178.0                                                                                  | 48,200                                                                                 | 102                                                                                    |
| 105                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.5                                                                                     | 165.9                                                                                  | 46,200                                                                                 | 105                                                                                    |
| 110                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 110                                                                                    |
| 113                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 113                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 115                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 120                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 126                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 126                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 138                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 138                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |

# MLC250 S-2

ASME B30.5



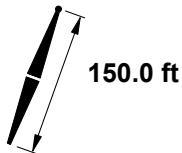
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 34  |      |       |          |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 41  |      |       |          |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 53  |      |       |          |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  | 67.6 | 229.0 | 82,300 b |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 63.6 | 226.6 | 74,800 b |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 59.5 | 223.8 | 68,500   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 55.2 | 220.5 | 63,000   |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 51.0 | 217.3 | 59,200   | 62.6 | 222.9 | 54,300 |      |       |        |      |       |        | 84  |
| 85  | 50.6 | 216.5 | 58,300   | 61.8 | 222.4 | 53,500 |      |       |        |      |       |        | 85  |
| 90  | 45.8 | 211.9 | 54,100   | 57.6 | 219.3 | 49,700 |      |       |        |      |       |        | 90  |
| 92  | 43.0 | 209.7 | 52,700   | 55.4 | 217.9 | 48,300 |      |       |        |      |       |        | 92  |
| 95  | 40.4 | 206.4 | 50,500   | 53.2 | 215.7 | 46,300 |      |       |        |      |       |        | 95  |
| 97  | 37.6 | 203.7 | 49,100   | 51.0 | 214.1 | 45,100 |      |       |        |      |       |        | 97  |
| 100 | 34.4 | 199.7 | 47,200   | 48.5 | 211.5 | 43,300 |      |       |        |      |       |        | 100 |
| 102 | 31.2 | 196.2 | 46,000   | 46.0 | 209.5 | 42,200 | 57.9 | 215.5 | 38,300 |      |       |        | 102 |
| 105 | 27.2 | 191.0 | 44,200   | 43.4 | 206.5 | 40,500 | 55.3 | 213.4 | 36,900 |      |       |        | 105 |
| 110 | 17.4 | 178.2 | 41,500   | 37.8 | 200.5 | 38,100 | 50.8 | 209.5 | 34,600 |      |       |        | 110 |
| 113 | 5.7  | 162.1 | 39,800   | 33.4 | 196.0 | 36,700 | 47.0 | 206.8 | 33,400 |      |       |        | 113 |
| 115 |      |       |          | 31.3 | 193.0 | 35,800 | 45.9 | 204.9 | 32,600 |      |       |        | 115 |
| 120 |      |       |          | 23.3 | 182.9 | 33,800 | 40.6 | 199.5 | 30,700 | 52.6 | 206.0 | 27,700 | 120 |
| 125 |      |       |          | 10.0 | 165.1 | 31,800 | 34.6 | 192.7 | 29,000 | 47.9 | 201.7 | 26,100 | 125 |
| 126 |      |       |          | 1.7  | 153.5 | 31,300 | 32.6 | 191.0 | 28,700 | 46.0 | 200.7 | 25,800 | 126 |
| 130 |      |       |          |      |       |        | 27.5 | 184.1 | 27,400 | 42.8 | 196.6 | 24,600 | 130 |
| 135 |      |       |          |      |       |        | 17.8 | 171.5 | 25,900 | 37.1 | 190.4 | 23,300 | 135 |
| 138 |      |       |          |      |       |        | 6.9  | 156.6 | 24,900 | 32.8 | 185.8 | 22,500 | 138 |
| 140 |      |       |          |      |       |        |      |       |        | 30.5 | 182.7 | 22,000 | 140 |
| 145 |      |       |          |      |       |        |      |       |        | 22.2 | 172.2 | 20,800 | 145 |
| 150 |      |       |          |      |       |        |      |       |        | 7.0  | 151.6 | 19,600 | 150 |



184,600 lb  
+  
44,000 lb



|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 36  | 75.7 | 244.9 | 105,300 d |      |       |           |      |       |           | 36  |
| 38  | 74.4 | 244.3 | 104,000 d |      |       |           |      |       |           | 38  |
| 40  | 73.0 | 243.7 | 102,600 c |      |       |           |      |       |           | 40  |
| 44  | 69.8 | 242.3 | 99,800 c  | 73.8 | 243.7 | 115,300 d |      |       |           | 44  |
| 45  | 69.6 | 241.9 | 99,100 b  | 73.2 | 243.4 | 113,900 c |      |       |           | 45  |
| 50  | 66.2 | 239.8 | 95,700 b  | 69.8 | 241.7 | 107,000 b |      |       |           | 50  |
| 55  | 62.6 | 237.4 | 93,900    | 66.4 | 239.6 | 100,500 b |      |       |           | 55  |
| 56  | 61.2 | 236.8 | 92,800    | 65.2 | 239.1 | 99,400 b  | 71.0 | 241.5 | 104,300 b | 56  |
| 60  | 59.0 | 234.5 | 88,200    | 62.8 | 237.1 | 94,600    | 68.3 | 239.9 | 95,400 b  | 60  |
| 65  | 55.1 | 231.1 | 80,800    | 59.1 | 234.2 | 89,200    | 64.8 | 237.7 | 86,000    | 65  |
| 69  | 51.8 | 228.0 | 75,200    | 55.8 | 231.6 | 83,400    | 61.6 | 235.6 | 79,700    | 69  |
| 70  | 51.1 | 227.3 | 73,800    | 55.3 | 230.9 | 81,900    | 61.2 | 235.0 | 78,200    | 70  |
| 75  | 46.8 | 222.8 | 67,700    | 51.3 | 227.1 | 75,000    | 57.5 | 232.0 | 71,600    | 75  |
| 80  | 42.2 | 217.5 | 62,400    | 47.0 | 222.6 | 69,100    | 53.6 | 228.4 | 65,900    | 80  |
| 85  | 37.2 | 211.3 | 57,800    | 42.4 | 217.4 | 63,900    | 49.5 | 224.3 | 60,900    | 85  |
| 88  | 33.4 | 206.8 | 55,500    | 39.0 | 213.7 | 61,200    | 46.6 | 221.5 | 58,300    | 88  |
| 90  | 31.4 | 203.8 | 54,000    | 37.4 | 211.3 | 59,400    | 45.1 | 219.6 | 56,600    | 90  |
| 95  | 24.4 | 194.0 | 51,200    | 31.7 | 203.8 | 55,300    | 40.3 | 214.0 | 52,800    | 95  |
| 100 | 14.3 | 179.1 | 49,800    | 24.7 | 194.1 | 51,700    | 35.0 | 207.3 | 49,400    | 100 |
| 102 | 6.8  | 167.4 | 46,800    | 20.0 | 188.3 | 50,400    | 31.6 | 204.0 | 48,100    | 102 |
| 105 |      |       |           | 14.9 | 179.6 | 48,500    | 28.8 | 199.0 | 46,300    | 105 |
| 107 |      |       |           | 8.1  | 169.0 | 47,200    | 25.2 | 194.5 | 45,200    | 107 |
| 108 |      |       |           |      |       |           | 23.8 | 192.3 | 44,600    | 108 |
| 110 |      |       |           |      |       |           | 21.0 | 187.8 | 43,500    | 110 |
| 115 |      |       |           |      |       |           | 7.0  | 166.5 | 40,800    | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 123 |      |       |           |      |       |           |      |       |           | 123 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 126 |      |       |           |      |       |           |      |       |           | 126 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 136 |      |       |           |      |       |           |      |       |           | 136 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 148 |      |       |           |      |       |           |      |       |           | 148 |
| 150 |      |       |           |      |       |           |      |       |           | 150 |
| 155 |      |       |           |      |       |           |      |       |           | 155 |
| 160 |      |       |           |      |       |           |      |       |           | 160 |

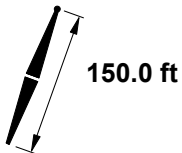


# MLC250 S-2

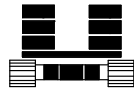
ASME B30.5



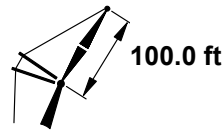
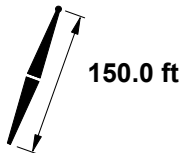
184,600 lb  
+  
44,000 lb

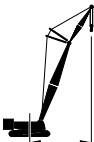
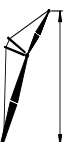
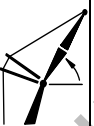
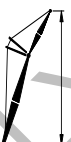
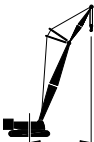


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 44  |      |       |          |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |          |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 69  | 67.4 | 238.1 | 75,900 b |      |       |        |      |       |        |      |       |        | 69  |
| 70  | 66.7 | 237.7 | 74,500 b |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 63.2 | 235.3 | 68,100   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 59.5 | 232.4 | 62,700   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 55.7 | 229.2 | 58,000   |      |       |        |      |       |        |      |       |        | 85  |
| 88  | 52.6 | 226.9 | 55,500   | 63.0 | 232.1 | 50,800 |      |       |        |      |       |        | 88  |
| 90  | 51.8 | 225.4 | 53,900   | 61.6 | 231.0 | 49,300 |      |       |        |      |       |        | 90  |
| 95  | 47.5 | 221.0 | 50,200   | 57.8 | 228.0 | 45,900 |      |       |        |      |       |        | 95  |
| 100 | 43.0 | 215.9 | 46,900   | 54.0 | 224.5 | 42,900 |      |       |        |      |       |        | 100 |
| 102 | 40.0 | 213.5 | 45,800   | 51.4 | 222.9 | 41,800 |      |       |        |      |       |        | 102 |
| 105 | 38.0 | 209.9 | 44,000   | 49.9 | 220.5 | 40,200 |      |       |        |      |       |        | 105 |
| 107 | 35.0 | 207.0 | 43,000   | 47.4 | 218.6 | 39,200 |      |       |        |      |       |        | 107 |
| 108 | 34.0 | 205.5 | 42,400   | 46.6 | 217.7 | 38,800 | 57.4 | 223.5 | 35,100 |      |       |        | 108 |
| 110 | 32.3 | 202.6 | 41,400   | 45.5 | 215.8 | 37,800 | 55.9 | 222.1 | 34,200 |      |       |        | 110 |
| 115 | 25.6 | 193.2 | 38,900   | 40.8 | 210.3 | 35,600 | 51.9 | 218.4 | 32,200 |      |       |        | 115 |
| 120 | 16.3 | 179.6 | 36,700   | 35.5 | 203.7 | 33,600 | 47.7 | 214.0 | 30,400 |      |       |        | 120 |
| 123 | 5.3  | 162.5 | 35,300   | 31.4 | 198.9 | 32,400 | 44.6 | 211.0 | 29,300 |      |       |        | 123 |
| 125 |      |       |          | 29.5 | 195.6 | 31,700 | 43.1 | 208.9 | 28,700 |      |       |        | 125 |
| 126 |      |       |          | 27.4 | 193.5 | 31,300 | 42.0 | 207.7 | 28,400 | 52.7 | 214.0 | 25,400 | 126 |
| 130 |      |       |          | 21.9 | 184.8 | 30,000 | 38.1 | 202.9 | 27,100 | 49.4 | 210.7 | 24,300 | 130 |
| 135 |      |       |          | 9.4  | 165.9 | 28,300 | 32.5 | 195.7 | 25,700 | 45.0 | 205.9 | 23,000 | 135 |
| 136 |      |       |          | 1.5  | 153.5 | 27,900 | 30.6 | 193.8 | 25,400 | 43.2 | 204.8 | 22,700 | 136 |
| 140 |      |       |          |      |       |        | 25.8 | 186.4 | 24,300 | 40.2 | 200.3 | 21,700 | 140 |
| 145 |      |       |          |      |       |        | 16.7 | 173.0 | 23,000 | 34.9 | 193.6 | 20,600 | 145 |
| 148 |      |       |          |      |       |        | 6.4  | 157.1 | 22,200 | 30.4 | 188.6 | 19,900 | 148 |
| 150 |      |       |          |      |       |        |      |       |        | 28.7 | 185.3 | 19,500 | 150 |
| 155 |      |       |          |      |       |        |      |       |        | 20.9 | 174.0 | 18,500 | 155 |
| 160 |      |       |          |      |       |        |      |       |        | 6.5  | 152.1 | 17,400 | 160 |



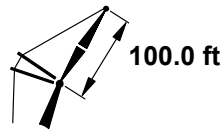
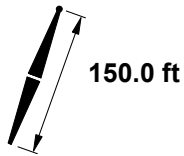
184,600 lb  
+  
44,000 lb



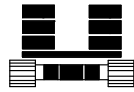
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 38                                                                                   | 76.0                                                                                  | 254.7                                                                                | 95,400 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 74.8                                                                                  | 254.2                                                                                | 94,300 <b>c</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 71.8                                                                                  | 252.6                                                                                | 91,400 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 47                                                                                   | 69.8                                                                                  | 251.8                                                                                | 90,700 <b>b</b>                                                                      | 73.7                                                                                  | 253.3                                                                                | 106,900 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 47                                                                                     |
| 50                                                                                   | 68.7                                                                                  | 250.7                                                                                | 89,700                                                                               | 71.9                                                                                  | 252.3                                                                                | 103,200 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 65.6                                                                                  | 248.5                                                                                | 87,000                                                                               | 68.9                                                                                  | 250.5                                                                                | 97,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 62.4                                                                                  | 246.0                                                                                | 84,400                                                                               | 65.7                                                                                  | 248.3                                                                                | 91,800                                                                               | 70.6                                                                                    | 250.7                                                                                  | 94,800 <b>b</b>                                                                        | 60                                                                                     |
| 65                                                                                   | 59.1                                                                                  | 243.1                                                                                | 77,900                                                                               | 62.5                                                                                  | 245.8                                                                                | 86,700                                                                               | 67.5                                                                                    | 248.7                                                                                  | 85,500                                                                                 | 65                                                                                     |
| 70                                                                                   | 55.6                                                                                  | 239.8                                                                                | 71,700                                                                               | 59.2                                                                                  | 242.9                                                                                | 81,500                                                                               | 64.3                                                                                    | 246.4                                                                                  | 77,700                                                                                 | 70                                                                                     |
| 72                                                                                   | 53.8                                                                                  | 238.3                                                                                | 69,300                                                                               | 57.4                                                                                  | 241.6                                                                                | 78,800                                                                               | 62.8                                                                                    | 245.3                                                                                  | 75,000                                                                                 | 72                                                                                     |
| 75                                                                                   | 52.1                                                                                  | 236.1                                                                                | 65,800                                                                               | 55.8                                                                                  | 239.6                                                                                | 74,600                                                                               | 61.1                                                                                    | 243.7                                                                                  | 71,100                                                                                 | 75                                                                                     |
| 80                                                                                   | 48.3                                                                                  | 231.8                                                                                | 60,600                                                                               | 52.2                                                                                  | 235.9                                                                                | 68,700                                                                               | 57.7                                                                                    | 240.7                                                                                  | 65,400                                                                                 | 80                                                                                     |
| 85                                                                                   | 44.3                                                                                  | 226.9                                                                                | 56,100                                                                               | 48.5                                                                                  | 231.6                                                                                | 63,500                                                                               | 54.2                                                                                    | 237.2                                                                                  | 60,500                                                                                 | 85                                                                                     |
| 90                                                                                   | 39.9                                                                                  | 221.2                                                                                | 52,000                                                                               | 44.5                                                                                  | 226.8                                                                                | 59,000                                                                               | 50.6                                                                                    | 233.2                                                                                  | 56,200                                                                                 | 90                                                                                     |
| 93                                                                                   | 36.6                                                                                  | 217.2                                                                                | 49,900                                                                               | 41.6                                                                                  | 223.4                                                                                | 56,600                                                                               | 47.6                                                                                    | 230.5                                                                                  | 53,900                                                                                 | 93                                                                                     |
| 95                                                                                   | 35.1                                                                                  | 214.5                                                                                | 48,500                                                                               | 40.1                                                                                  | 221.1                                                                                | 55,000                                                                               | 46.7                                                                                    | 228.7                                                                                  | 52,400                                                                                 | 95                                                                                     |
| 100                                                                                  | 29.7                                                                                  | 206.4                                                                                | 45,600                                                                               | 35.4                                                                                  | 214.5                                                                                | 51,500                                                                               | 42.6                                                                                    | 223.5                                                                                  | 49,000                                                                                 | 100                                                                                    |
| 105                                                                                  | 23.1                                                                                  | 196.0                                                                                | 43,500                                                                               | 30.0                                                                                  | 206.5                                                                                | 48,300                                                                               | 38.1                                                                                    | 217.5                                                                                  | 45,900                                                                                 | 105                                                                                    |
| 110                                                                                  | 13.6                                                                                  | 180.2                                                                                | 42,400                                                                               | 23.4                                                                                  | 196.2                                                                                | 45,400                                                                               | 33.1                                                                                    | 210.3                                                                                  | 43,200                                                                                 | 110                                                                                    |
| 112                                                                                  | 6.4                                                                                   | 167.9                                                                                | 41,300                                                                               | 19.4                                                                                  | 190.0                                                                                | 44,300                                                                               | 30.6                                                                                    | 206.8                                                                                  | 42,200                                                                                 | 112                                                                                    |
| 113                                                                                  |                                                                                       |                                                                                      |                                                                                      | 17.6                                                                                  | 187.0                                                                                | 43,700                                                                               | 29.4                                                                                    | 205.0                                                                                  | 41,700                                                                                 | 113                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      | 14.1                                                                                  | 180.8                                                                                | 42,700                                                                               | 27.3                                                                                    | 201.4                                                                                  | 40,600                                                                                 | 115                                                                                    |
| 117                                                                                  |                                                                                       |                                                                                      |                                                                                      | 7.6                                                                                   | 169.6                                                                                | 41,600                                                                               | 23.8                                                                                    | 196.7                                                                                  | 39,700                                                                                 | 117                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 19.9                                                                                    | 189.6                                                                                  | 38,300                                                                                 | 120                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.6                                                                                     | 167.0                                                                                  | 36,100                                                                                 | 125                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 132                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 132                                                                                    |
| 133                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 133                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 146                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 146                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 158                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 158                                                                                    |
| 160                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |



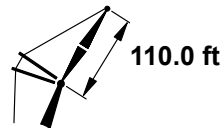
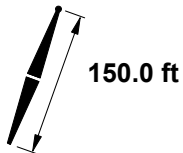
184,600 lb  
+  
44,000 lb

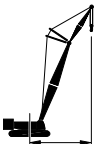
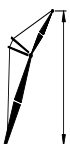
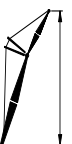
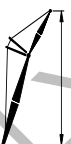
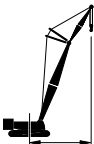


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 38  |      |       |        |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  | 68.0 | 247.7 | 71,200 |      |       |        |      |       |        |      |       |        | 72  |
| 75  | 66.1 | 246.4 | 67,600 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 62.9 | 243.9 | 62,200 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 59.6 | 241.1 | 57,500 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 56.2 | 237.9 | 53,300 |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 53.6 | 235.7 | 51,200 | 62.7 | 240.8 | 46,600 |      |       |        |      |       |        | 93  |
| 95  | 52.6 | 234.2 | 49,700 | 61.4 | 239.7 | 45,300 |      |       |        |      |       |        | 95  |
| 100 | 48.9 | 230.0 | 46,500 | 58.1 | 236.7 | 42,300 |      |       |        |      |       |        | 100 |
| 105 | 44.9 | 225.2 | 43,600 | 54.6 | 233.2 | 39,600 |      |       |        |      |       |        | 105 |
| 110 | 40.6 | 219.7 | 40,900 | 51.0 | 229.3 | 37,200 |      |       |        |      |       |        | 110 |
| 112 | 38.0 | 217.0 | 40,000 | 48.8 | 227.6 | 36,400 |      |       |        |      |       |        | 112 |
| 113 | 37.0 | 215.7 | 39,500 | 48.2 | 226.7 | 35,900 | 57.7 | 232.2 | 32,400 |      |       |        | 113 |
| 115 | 35.9 | 213.1 | 38,600 | 47.1 | 224.9 | 35,000 | 56.3 | 230.8 | 31,600 |      |       |        | 115 |
| 117 | 33.0 | 210.0 | 37,700 | 45.4 | 222.8 | 34,200 | 54.4 | 229.4 | 30,800 |      |       |        | 117 |
| 120 | 30.6 | 205.3 | 36,400 | 43.0 | 219.8 | 33,000 | 52.7 | 227.2 | 29,800 |      |       |        | 120 |
| 125 | 24.2 | 195.3 | 34,400 | 38.6 | 213.8 | 31,200 | 49.0 | 223.0 | 28,100 |      |       |        | 125 |
| 130 | 15.4 | 180.9 | 32,500 | 33.6 | 206.8 | 29,500 | 45.0 | 218.2 | 26,500 |      |       |        | 130 |
| 132 | 7.7  | 168.9 | 31,700 | 30.6 | 203.3 | 28,900 | 43.0 | 216.0 | 26,000 | 52.7 | 222.0 | 23,100 | 132 |
| 133 | 5.0  | 162.9 | 31,300 | 29.4 | 201.6 | 28,600 | 42.0 | 214.9 | 25,700 | 51.3 | 221.2 | 22,800 | 133 |
| 135 |      |       |        | 27.9 | 198.1 | 28,000 | 40.8 | 212.7 | 25,100 | 50.5 | 219.6 | 22,300 | 135 |
| 140 |      |       |        | 20.7 | 186.6 | 26,500 | 36.1 | 206.2 | 23,800 | 46.7 | 215.0 | 21,100 | 140 |
| 145 |      |       |        | 8.9  | 166.6 | 25,000 | 30.8 | 198.4 | 22,600 | 42.5 | 209.8 | 20,000 | 145 |
| 146 |      |       |        | 1.3  | 153.4 | 24,700 | 28.8 | 196.4 | 22,300 | 41.2 | 208.6 | 19,800 | 146 |
| 150 |      |       |        |      |       |        | 24.4 | 188.5 | 21,400 | 38.0 | 203.8 | 19,000 | 150 |
| 155 |      |       |        |      |       |        | 15.8 | 174.3 | 20,300 | 33.0 | 196.6 | 18,000 | 155 |
| 158 |      |       |        |      |       |        | 6.0  | 157.6 | 19,500 | 29.4 | 191.2 | 17,400 | 158 |
| 160 |      |       |        |      |       |        |      |       |        | 27.2 | 187.7 | 17,000 | 160 |
| 165 |      |       |        |      |       |        |      |       |        | 19.7 | 175.7 | 16,100 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 6.1  | 152.6 | 15,200 | 170 |



184,600 lb  
+  
44,000 lb



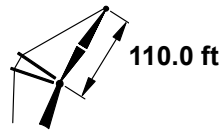
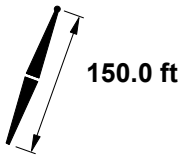
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft  |  ft |  lb |  ft  |  ft |  lb |  ft   |  ft |  lb |  ft |
| 41                                                                                   | 75.7                                                                                  | 264.3                                                                                | 86,200 <b>c</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 41                                                                                     |
| 45                                                                                   | 73.5                                                                                  | 263.1                                                                                | 85,600 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 70.7                                                                                  | 261.4                                                                                | 83,100                                                                               | 73.6                                                                                  | 262.8                                                                                | 99,500 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 67.9                                                                                  | 259.5                                                                                | 79,600                                                                               | 70.9                                                                                  | 261.2                                                                                | 94,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 65.1                                                                                  | 257.2                                                                                | 77,400                                                                               | 68.1                                                                                  | 259.2                                                                                | 89,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 63                                                                                   | 63.2                                                                                  | 255.7                                                                                | 75,900                                                                               | 66.2                                                                                  | 257.9                                                                                | 86,300                                                                               | 70.8                                                                                    | 260.2                                                                                  | 88,900                                                                                 | 63                                                                                     |
| 65                                                                                   | 62.2                                                                                  | 254.7                                                                                | 74,900                                                                               | 65.2                                                                                  | 257.0                                                                                | 84,400                                                                               | 69.6                                                                                    | 259.5                                                                                  | 85,300                                                                                 | 65                                                                                     |
| 70                                                                                   | 59.2                                                                                  | 251.8                                                                                | 69,400                                                                               | 62.3                                                                                  | 254.4                                                                                | 79,900                                                                               | 66.8                                                                                    | 257.4                                                                                  | 77,500                                                                                 | 70                                                                                     |
| 75                                                                                   | 56.0                                                                                  | 248.5                                                                                | 64,200                                                                               | 59.3                                                                                  | 251.6                                                                                | 74,500                                                                               | 63.9                                                                                    | 255.0                                                                                  | 70,900                                                                                 | 75                                                                                     |
| 76                                                                                   | 55.2                                                                                  | 247.8                                                                                | 63,100                                                                               | 58.4                                                                                  | 250.9                                                                                | 73,300                                                                               | 62.4                                                                                    | 254.5                                                                                  | 69,800                                                                                 | 76                                                                                     |
| 80                                                                                   | 52.8                                                                                  | 244.9                                                                                | 59,100                                                                               | 56.2                                                                                  | 248.3                                                                                | 68,600                                                                               | 61.0                                                                                    | 252.4                                                                                  | 65,300                                                                                 | 80                                                                                     |
| 85                                                                                   | 49.4                                                                                  | 240.7                                                                                | 54,700                                                                               | 53.0                                                                                  | 244.7                                                                                | 63,500                                                                               | 57.9                                                                                    | 249.3                                                                                  | 60,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 45.9                                                                                  | 236.1                                                                                | 50,800                                                                               | 49.6                                                                                  | 240.6                                                                                | 59,000                                                                               | 54.8                                                                                    | 245.9                                                                                  | 56,100                                                                                 | 90                                                                                     |
| 95                                                                                   | 42.1                                                                                  | 230.8                                                                                | 47,100                                                                               | 46.0                                                                                  | 235.9                                                                                | 55,000                                                                               | 51.5                                                                                    | 242.1                                                                                  | 52,300                                                                                 | 95                                                                                     |
| 98                                                                                   | 39.0                                                                                  | 227.1                                                                                | 45,300                                                                               | 43.6                                                                                  | 232.8                                                                                | 52,800                                                                               | 49.2                                                                                    | 239.5                                                                                  | 50,200                                                                                 | 98                                                                                     |
| 100                                                                                  | 38.0                                                                                  | 224.7                                                                                | 44,100                                                                               | 42.3                                                                                  | 230.7                                                                                | 51,400                                                                               | 48.1                                                                                    | 237.7                                                                                  | 48,900                                                                                 | 100                                                                                    |
| 105                                                                                  | 33.4                                                                                  | 217.5                                                                                | 41,300                                                                               | 38.2                                                                                  | 224.6                                                                                | 48,300                                                                               | 44.4                                                                                    | 232.8                                                                                  | 45,900                                                                                 | 105                                                                                    |
| 110                                                                                  | 28.2                                                                                  | 208.9                                                                                | 39,100                                                                               | 33.6                                                                                  | 217.5                                                                                | 45,400                                                                               | 40.5                                                                                    | 227.2                                                                                  | 43,100                                                                                 | 110                                                                                    |
| 115                                                                                  | 21.9                                                                                  | 197.9                                                                                | 37,400                                                                               | 28.5                                                                                  | 209.0                                                                                | 42,800                                                                               | 36.2                                                                                    | 220.8                                                                                  | 40,600                                                                                 | 115                                                                                    |
| 118                                                                                  | 15.6                                                                                  | 187.9                                                                                | 37,000                                                                               | 24.4                                                                                  | 202.5                                                                                | 41,300                                                                               | 33.0                                                                                    | 216.2                                                                                  | 39,300                                                                                 | 118                                                                                    |
| 120                                                                                  | 12.9                                                                                  | 181.3                                                                                | 36,800                                                                               | 22.3                                                                                  | 198.1                                                                                | 40,400                                                                               | 31.5                                                                                    | 213.1                                                                                  | 38,400                                                                                 | 120                                                                                    |
| 122                                                                                  | 6.1                                                                                   | 168.4                                                                                | 36,600                                                                               | 18.4                                                                                  | 191.7                                                                                | 39,500                                                                               | 28.6                                                                                    | 209.4                                                                                  | 37,500                                                                                 | 122                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      | 13.4                                                                                  | 182.0                                                                                | 38,100                                                                               | 25.9                                                                                    | 203.7                                                                                  | 36,300                                                                                 | 125                                                                                    |
| 127                                                                                  |                                                                                       |                                                                                      |                                                                                      | 7.2                                                                                   | 170.2                                                                                | 37,200                                                                               | 22.2                                                                                    | 198.7                                                                                  | 35,500                                                                                 | 127                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 18.9                                                                                    | 191.2                                                                                  | 34,300                                                                                 | 130                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.3                                                                                     | 167.5                                                                                  | 32,400                                                                                 | 135                                                                                    |
| 138                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 138                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 143                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 143                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 156                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 156                                                                                    |
| 160                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 168                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 168                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 175                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |

# MLC250 S-2

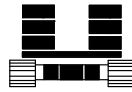
ASME B30.5



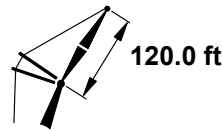
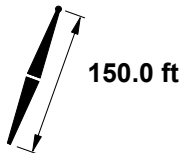
184,600 lb  
+  
44,000 lb

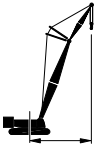
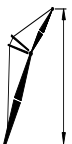
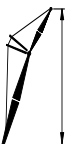
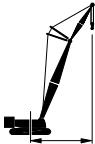


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  | 67.8 | 256.9 | 66,300 |      |       |        |      |       |        |      |       |        | 76  |
| 80  | 65.5 | 255.1 | 62,000 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 62.6 | 252.6 | 57,300 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 59.6 | 249.8 | 53,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 56.5 | 246.6 | 49,600 |      |       |        |      |       |        |      |       |        | 95  |
| 98  | 54.2 | 244.4 | 47,600 | 62.5 | 249.4 | 43,300 |      |       |        |      |       |        | 98  |
| 100 | 53.3 | 243.0 | 46,300 | 61.3 | 248.3 | 42,200 |      |       |        |      |       |        | 100 |
| 105 | 50.0 | 238.9 | 43,500 | 58.2 | 245.3 | 39,500 |      |       |        |      |       |        | 105 |
| 110 | 46.4 | 234.3 | 40,800 | 55.1 | 242.0 | 37,100 |      |       |        |      |       |        | 110 |
| 115 | 42.7 | 229.1 | 38,500 | 51.8 | 238.2 | 34,900 |      |       |        |      |       |        | 115 |
| 118 | 39.6 | 225.6 | 37,200 | 49.2 | 235.6 | 33,700 | 57.9 | 240.8 | 30,300 |      |       |        | 118 |
| 120 | 38.6 | 223.2 | 36,300 | 48.4 | 233.9 | 32,900 | 56.6 | 239.5 | 29,600 |      |       |        | 120 |
| 122 | 36.4 | 220.4 | 35,500 | 46.4 | 231.9 | 32,200 | 54.8 | 238.1 | 28,900 |      |       |        | 122 |
| 125 | 34.2 | 216.2 | 34,300 | 44.8 | 229.0 | 31,100 | 53.4 | 235.9 | 27,900 |      |       |        | 125 |
| 127 | 32.0 | 212.9 | 33,600 | 42.4 | 226.8 | 30,400 | 51.8 | 234.3 | 27,300 |      |       |        | 127 |
| 130 | 29.1 | 207.9 | 32,500 | 40.9 | 223.5 | 29,400 | 50.1 | 231.9 | 26,400 |      |       |        | 130 |
| 135 | 23.0 | 197.4 | 30,800 | 36.7 | 217.1 | 27,900 | 46.6 | 227.3 | 25,000 |      |       |        | 135 |
| 138 | 17.6 | 188.2 | 29,800 | 33.0 | 212.6 | 27,000 | 43.6 | 224.2 | 24,200 | 52.8 | 230.0 | 21,400 | 138 |
| 140 | 14.7 | 182.1 | 29,200 | 32.0 | 209.6 | 26,500 | 42.8 | 222.2 | 23,700 | 51.5 | 228.4 | 21,000 | 140 |
| 143 | 4.7  | 163.2 | 28,200 | 28.0 | 204.1 | 25,600 | 39.6 | 218.6 | 22,900 | 49.2 | 225.8 | 20,300 | 143 |
| 145 |      |       |        | 26.5 | 200.5 | 25,100 | 38.8 | 216.2 | 22,500 | 48.0 | 224.1 | 19,800 | 145 |
| 150 |      |       |        | 19.7 | 188.3 | 23,800 | 34.3 | 209.3 | 21,300 | 44.4 | 219.1 | 18,800 | 150 |
| 155 |      |       |        | 8.4  | 167.3 | 22,600 | 29.3 | 201.0 | 20,300 | 40.4 | 213.5 | 17,900 | 155 |
| 156 |      |       |        | 1.2  | 153.4 | 22,300 | 27.8 | 198.9 | 20,000 | 39.2 | 212.2 | 17,700 | 156 |
| 160 |      |       |        |      |       |        | 23.2 | 190.6 | 19,200 | 36.2 | 207.1 | 16,900 | 160 |
| 165 |      |       |        |      |       |        | 15.0 | 175.6 | 18,200 | 31.4 | 199.4 | 16,100 | 165 |
| 168 |      |       |        |      |       |        | 5.7  | 158.0 | 17,600 | 27.4 | 193.7 | 15,600 | 168 |
| 170 |      |       |        |      |       |        |      |       |        | 25.8 | 190.0 | 15,300 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 18.8 | 177.3 | 14,500 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 5.8  | 153.0 | 13,600 | 180 |



184,600 lb  
+  
44,000 lb



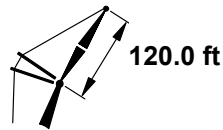
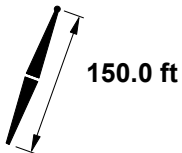
|                                                                                         | <br>88° |                                                                                         |                                                                                         | <br>86° |                                                                                         |                                                                                         | <br>83° |                                                                                           |                                                                                           |                                                                                           |
|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <br>ft | <br>°   | <br>ft | <br>lb | <br>°   | <br>ft | <br>lb | <br>°    | <br>ft | <br>lb | <br>ft |
| 43                                                                                      | 75.9                                                                                     | 274.1                                                                                   | 78,500 <b>b</b>                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 43                                                                                        |
| 45                                                                                      | 74.9                                                                                     | 273.5                                                                                   | 78,500 <b>b</b>                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 45                                                                                        |
| 50                                                                                      | 72.4                                                                                     | 272.0                                                                                   | 75,800                                                                                  |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 50                                                                                        |
| 52                                                                                      | 70.8                                                                                     | 271.3                                                                                   | 75,400                                                                                  | 74.0                                                                                     | 272.7                                                                                   | 92,200 <b>b</b>                                                                         |                                                                                            |                                                                                           |                                                                                           | 52                                                                                        |
| 55                                                                                      | 69.9                                                                                     | 270.2                                                                                   | 74,900                                                                                  | 72.5                                                                                     | 271.7                                                                                   | 90,800                                                                                  |                                                                                            |                                                                                           |                                                                                           | 55                                                                                        |
| 60                                                                                      | 67.3                                                                                     | 268.2                                                                                   | 71,900                                                                                  | 70.0                                                                                     | 270.0                                                                                   | 86,100                                                                                  |                                                                                            |                                                                                           |                                                                                           | 60                                                                                        |
| 65                                                                                      | 64.7                                                                                     | 265.9                                                                                   | 70,100                                                                                  | 67.4                                                                                     | 268.0                                                                                   | 81,800                                                                                  |                                                                                            |                                                                                           |                                                                                           | 65                                                                                        |
| 66                                                                                      | 63.4                                                                                     | 265.4                                                                                   | 69,400                                                                                  | 66.4                                                                                     | 267.5                                                                                   | 81,000                                                                                  | 70.9                                                                                       | 269.8                                                                                     | 83,100                                                                                    | 66                                                                                        |
| 70                                                                                      | 62.0                                                                                     | 263.3                                                                                   | 66,900                                                                                  | 64.8                                                                                     | 265.7                                                                                   | 77,600                                                                                  | 68.9                                                                                       | 268.3                                                                                     | 77,000                                                                                    | 70                                                                                        |
| 75                                                                                      | 59.2                                                                                     | 260.5                                                                                   | 62,100                                                                                  | 62.1                                                                                     | 263.1                                                                                   | 73,800                                                                                  | 66.3                                                                                       | 266.1                                                                                     | 70,400                                                                                    | 75                                                                                        |
| 80                                                                                      | 56.4                                                                                     | 257.2                                                                                   | 57,700                                                                                  | 59.4                                                                                     | 260.2                                                                                   | 68,200                                                                                  | 63.6                                                                                       | 263.7                                                                                     | 64,800                                                                                    | 80                                                                                        |
| 85                                                                                      | 53.4                                                                                     | 253.6                                                                                   | 53,600                                                                                  | 56.5                                                                                     | 257.0                                                                                   | 63,000                                                                                  | 60.9                                                                                       | 261.0                                                                                     | 59,900                                                                                    | 85                                                                                        |
| 90                                                                                      | 50.4                                                                                     | 249.6                                                                                   | 49,600                                                                                  | 53.6                                                                                     | 253.5                                                                                   | 58,500                                                                                  | 58.1                                                                                       | 258.0                                                                                     | 55,600                                                                                    | 90                                                                                        |
| 95                                                                                      | 47.2                                                                                     | 245.2                                                                                   | 46,100                                                                                  | 50.5                                                                                     | 249.5                                                                                   | 54,600                                                                                  | 55.2                                                                                       | 254.6                                                                                     | 51,800                                                                                    | 95                                                                                        |
| 100                                                                                     | 43.8                                                                                     | 240.1                                                                                   | 43,000                                                                                  | 47.3                                                                                     | 245.0                                                                                   | 51,000                                                                                  | 52.3                                                                                       | 250.9                                                                                     | 48,400                                                                                    | 100                                                                                       |
| 102                                                                                     | 41.8                                                                                     | 237.9                                                                                   | 41,800                                                                                  | 45.4                                                                                     | 243.0                                                                                   | 49,800                                                                                  | 50.8                                                                                       | 249.2                                                                                     | 47,200                                                                                    | 102                                                                                       |
| 105                                                                                     | 40.2                                                                                     | 234.5                                                                                   | 40,200                                                                                  | 44.0                                                                                     | 240.0                                                                                   | 47,900                                                                                  | 49.1                                                                                       | 246.7                                                                                     | 45,400                                                                                    | 105                                                                                       |
| 110                                                                                     | 36.3                                                                                     | 228.0                                                                                   | 37,700                                                                                  | 40.4                                                                                     | 234.4                                                                                   | 45,000                                                                                  | 45.9                                                                                       | 242.0                                                                                     | 42,700                                                                                    | 110                                                                                       |
| 115                                                                                     | 31.9                                                                                     | 220.4                                                                                   | 35,600                                                                                  | 36.5                                                                                     | 227.9                                                                                   | 42,200                                                                                  | 42.4                                                                                       | 236.8                                                                                     | 40,200                                                                                    | 115                                                                                       |
| 120                                                                                     | 27.0                                                                                     | 211.3                                                                                   | 33,800                                                                                  | 32.1                                                                                     | 220.4                                                                                   | 39,700                                                                                  | 38.7                                                                                       | 230.8                                                                                     | 38,000                                                                                    | 120                                                                                       |
| 124                                                                                     | 21.2                                                                                     | 202.1                                                                                   | 32,800                                                                                  | 28.0                                                                                     | 213.2                                                                                   | 38,000                                                                                  | 34.8                                                                                       | 225.3                                                                                     | 36,300                                                                                    | 124                                                                                       |
| 125                                                                                     | 21.0                                                                                     | 199.8                                                                                   | 32,500                                                                                  | 27.2                                                                                     | 211.4                                                                                   | 37,600                                                                                  | 34.6                                                                                       | 223.9                                                                                     | 35,900                                                                                    | 125                                                                                       |
| 130                                                                                     | 12.3                                                                                     | 182.3                                                                                   | 32,100                                                                                  | 21.3                                                                                     | 200.0                                                                                   | 35,900                                                                                  | 30.1                                                                                       | 215.8                                                                                     | 34,000                                                                                    | 130                                                                                       |
| 132                                                                                     | 5.8                                                                                      | 168.9                                                                                   | 32,100                                                                                  | 17.4                                                                                     | 193.2                                                                                   | 35,100                                                                                  | 27.6                                                                                       | 211.9                                                                                     | 33,300                                                                                    | 132                                                                                       |
| 135                                                                                     |                                                                                          |                                                                                         |                                                                                         | 12.8                                                                                     | 183.0                                                                                   | 34,000                                                                                  | 24.8                                                                                       | 205.9                                                                                     | 32,200                                                                                    | 135                                                                                       |
| 137                                                                                     |                                                                                          |                                                                                         |                                                                                         | 6.9                                                                                      | 170.7                                                                                   | 33,200                                                                                  | 21.6                                                                                       | 200.7                                                                                     | 31,600                                                                                    | 137                                                                                       |
| 140                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 18.1                                                                                       | 192.8                                                                                     | 30,600                                                                                    | 140                                                                                       |
| 144                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 7.6                                                                                        | 172.9                                                                                     | 29,300                                                                                    | 144                                                                                       |
| 145                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         | 6.0                                                                                        | 168.0                                                                                     | 28,900                                                                                    | 145                                                                                       |
| 150                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 150                                                                                       |
| 153                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 153                                                                                       |
| 155                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 155                                                                                       |
| 160                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 160                                                                                       |
| 165                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 165                                                                                       |
| 166                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 166                                                                                       |
| 170                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 170                                                                                       |
| 175                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 175                                                                                       |
| 178                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 178                                                                                       |
| 180                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 180                                                                                       |
| 185                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 185                                                                                       |
| 190                                                                                     |                                                                                          |                                                                                         |                                                                                         |                                                                                          |                                                                                         |                                                                                         |                                                                                            |                                                                                           |                                                                                           | 190                                                                                       |

# MLC250 S-2

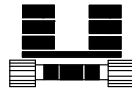
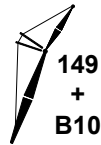
ASME B30.5



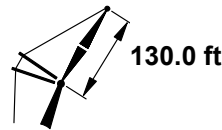
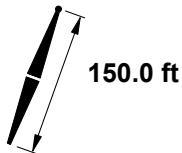
184,600 lb  
+  
44,000 lb

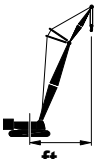
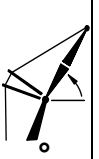
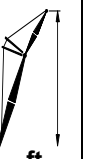
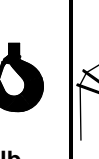


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 43  |      |       |        |      |       |        |      |       |        |      |       |        | 43  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 67.7 | 266.0 | 61,400 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 65.1 | 263.8 | 56,800 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 62.4 | 261.3 | 52,700 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 59.7 | 258.4 | 49,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 56.8 | 255.3 | 45,800 |      |       |        |      |       |        |      |       |        | 100 |
| 102 | 54.8 | 253.8 | 44,700 | 62.8 | 258.6 | 40,500 |      |       |        |      |       |        | 102 |
| 105 | 53.9 | 251.7 | 43,000 | 61.2 | 257.0 | 38,900 |      |       |        |      |       |        | 105 |
| 110 | 50.9 | 247.8 | 40,400 | 58.4 | 254.0 | 36,500 |      |       |        |      |       |        | 110 |
| 115 | 47.7 | 243.4 | 38,000 | 55.5 | 250.7 | 34,300 |      |       |        |      |       |        | 115 |
| 120 | 44.3 | 238.5 | 35,900 | 52.5 | 247.0 | 32,400 |      |       |        |      |       |        | 120 |
| 124 | 40.8 | 234.0 | 34,300 | 49.6 | 243.6 | 30,900 | 57.5 | 248.9 | 27,600 |      |       |        | 124 |
| 125 | 40.8 | 232.9 | 33,900 | 49.4 | 242.8 | 30,600 | 56.9 | 248.2 | 27,300 |      |       |        | 125 |
| 130 | 36.9 | 226.5 | 32,100 | 46.2 | 238.2 | 28,900 | 54.0 | 244.7 | 25,800 |      |       |        | 130 |
| 132 | 34.4 | 223.6 | 31,400 | 44.4 | 236.1 | 28,300 | 52.4 | 243.1 | 25,200 |      |       |        | 132 |
| 135 | 32.7 | 219.2 | 30,400 | 42.7 | 233.0 | 27,400 | 51.0 | 240.8 | 24,400 |      |       |        | 135 |
| 137 | 30.0 | 215.6 | 29,800 | 40.8 | 230.6 | 26,800 | 48.8 | 239.0 | 23,900 |      |       |        | 137 |
| 140 | 27.8 | 210.4 | 28,900 | 39.1 | 227.1 | 26,000 | 47.8 | 236.4 | 23,100 |      |       |        | 140 |
| 144 | 23.0 | 201.5 | 27,700 | 35.8 | 221.7 | 24,900 | 44.6 | 232.4 | 22,100 | 52.8 | 238.0 | 19,400 | 144 |
| 145 | 22.0 | 199.3 | 27,400 | 35.0 | 220.3 | 24,600 | 44.4 | 231.5 | 21,900 | 52.2 | 237.2 | 19,200 | 145 |
| 150 | 14.0 | 183.3 | 26,000 | 30.6 | 212.4 | 23,400 | 40.9 | 225.9 | 20,800 | 49.1 | 233.0 | 18,200 | 150 |
| 153 | 4.5  | 163.6 | 25,200 | 27.0 | 206.6 | 22,700 | 38.2 | 222.1 | 20,100 | 46.6 | 230.2 | 17,600 | 153 |
| 155 |      |       |        | 25.3 | 202.7 | 22,200 | 37.0 | 219.6 | 19,700 | 45.8 | 228.3 | 17,200 | 155 |
| 160 |      |       |        | 18.8 | 190.0 | 21,100 | 32.8 | 212.3 | 18,700 | 42.3 | 223.1 | 16,400 | 160 |
| 165 |      |       |        | 8.0  | 168.0 | 20,000 | 28.0 | 203.5 | 17,800 | 38.6 | 217.1 | 15,500 | 165 |
| 166 |      |       |        | 1.0  | 153.4 | 19,800 | 26.0 | 201.3 | 17,600 | 37.2 | 215.7 | 15,400 | 166 |
| 170 |      |       |        |      |       |        | 22.2 | 192.5 | 16,900 | 34.6 | 210.2 | 14,700 | 170 |
| 175 |      |       |        |      |       |        | 14.3 | 176.8 | 16,100 | 30.0 | 202.1 | 14,000 | 175 |
| 178 |      |       |        |      |       |        | 5.4  | 158.5 | 15,500 | 26.4 | 196.1 | 13,500 | 178 |
| 180 |      |       |        |      |       |        |      |       |        | 24.7 | 192.1 | 13,300 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 17.9 | 178.9 | 12,500 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 5.5  | 153.4 | 11,800 | 190 |



184,600 lb  
+  
44,000 lb

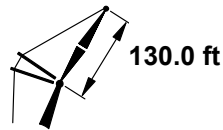
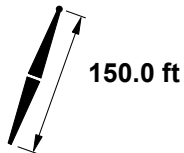


|                                                                                   | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |
| ft                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  | ft                                                                                  |
| 46                                                                                | 75.6                                                                              | 283.6                                                                             | 72,500 b                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 46                                                                                  |
| 50                                                                                | 73.8                                                                              | 282.5                                                                             | 70,200 b                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 71.5                                                                              | 280.9                                                                             | 69,500                                                                            | 73.9                                                                              | 282.2                                                                             | 83,900                                                                            |                                                                                    |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 69.1                                                                              | 279.0                                                                             | 66,900                                                                            | 71.6                                                                              | 280.6                                                                             | 82,800                                                                            |                                                                                    |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 66.7                                                                              | 276.9                                                                             | 66,100                                                                            | 69.2                                                                              | 278.8                                                                             | 79,300                                                                            |                                                                                    |                                                                                     |                                                                                     | 65                                                                                  |
| 69                                                                                | 64.4                                                                              | 275.1                                                                             | 64,200                                                                            | 66.6                                                                              | 277.1                                                                             | 76,300                                                                            | 71.0                                                                               | 279.3                                                                               | 78,100                                                                              | 69                                                                                  |
| 70                                                                                | 64.3                                                                              | 274.6                                                                             | 63,700                                                                            | 66.9                                                                              | 276.7                                                                             | 75,500                                                                            | 70.6                                                                               | 279.0                                                                               | 76,700                                                                              | 70                                                                                  |
| 75                                                                                | 61.8                                                                              | 272.0                                                                             | 60,400                                                                            | 64.4                                                                              | 274.4                                                                             | 72,000                                                                            | 68.2                                                                               | 277.0                                                                               | 70,100                                                                              | 75                                                                                  |
| 80                                                                                | 59.3                                                                              | 269.1                                                                             | 56,300                                                                            | 61.9                                                                              | 271.8                                                                             | 67,800                                                                            | 65.8                                                                               | 274.8                                                                               | 64,400                                                                              | 80                                                                                  |
| 84                                                                                | 56.6                                                                              | 266.6                                                                             | 53,300                                                                            | 59.4                                                                              | 269.5                                                                             | 63,700                                                                            | 63.4                                                                               | 272.9                                                                               | 60,500                                                                              | 84                                                                                  |
| 85                                                                                | 56.7                                                                              | 265.9                                                                             | 52,600                                                                            | 59.4                                                                              | 268.9                                                                             | 62,700                                                                            | 63.3                                                                               | 272.4                                                                               | 59,500                                                                              | 85                                                                                  |
| 90                                                                                | 54.0                                                                              | 262.4                                                                             | 49,000                                                                            | 56.8                                                                              | 265.7                                                                             | 58,200                                                                            | 60.8                                                                               | 269.7                                                                               | 55,200                                                                              | 90                                                                                  |
| 95                                                                                | 51.2                                                                              | 258.5                                                                             | 45,500                                                                            | 54.1                                                                              | 262.2                                                                             | 54,300                                                                            | 58.3                                                                               | 266.7                                                                               | 51,500                                                                              | 95                                                                                  |
| 100                                                                               | 48.3                                                                              | 254.2                                                                             | 42,500                                                                            | 51.3                                                                              | 258.3                                                                             | 50,700                                                                            | 55.6                                                                               | 263.3                                                                               | 48,100                                                                              | 100                                                                                 |
| 105                                                                               | 45.2                                                                              | 249.4                                                                             | 39,700                                                                            | 48.4                                                                              | 254.0                                                                             | 47,600                                                                            | 52.9                                                                               | 259.7                                                                               | 45,100                                                                              | 105                                                                                 |
| 107                                                                               | 43.4                                                                              | 247.2                                                                             | 38,700                                                                            | 46.8                                                                              | 252.1                                                                             | 46,400                                                                            | 51.2                                                                               | 258.0                                                                               | 44,000                                                                              | 107                                                                                 |
| 110                                                                               | 42.0                                                                              | 244.0                                                                             | 37,200                                                                            | 45.3                                                                              | 249.2                                                                             | 44,700                                                                            | 50.0                                                                               | 255.6                                                                               | 42,400                                                                              | 110                                                                                 |
| 115                                                                               | 38.5                                                                              | 238.0                                                                             | 35,000                                                                            | 42.1                                                                              | 243.9                                                                             | 41,900                                                                            | 47.1                                                                               | 251.1                                                                               | 39,900                                                                              | 115                                                                                 |
| 120                                                                               | 34.8                                                                              | 231.1                                                                             | 33,000                                                                            | 38.7                                                                              | 237.9                                                                             | 39,300                                                                            | 44.0                                                                               | 246.1                                                                               | 37,700                                                                              | 120                                                                                 |
| 125                                                                               | 30.6                                                                              | 223.1                                                                             | 31,300                                                                            | 35.0                                                                              | 231.1                                                                             | 36,900                                                                            | 40.6                                                                               | 240.5                                                                               | 35,600                                                                              | 125                                                                                 |
| 129                                                                               | 26.0                                                                              | 215.5                                                                             | 30,100                                                                            | 30.8                                                                              | 224.8                                                                             | 35,300                                                                            | 37.6                                                                               | 235.4                                                                               | 34,100                                                                              | 129                                                                                 |
| 130                                                                               | 25.9                                                                              | 213.6                                                                             | 29,800                                                                            | 30.8                                                                              | 223.2                                                                             | 34,900                                                                            | 37.1                                                                               | 234.2                                                                               | 33,700                                                                              | 130                                                                                 |
| 135                                                                               | 20.1                                                                              | 201.5                                                                             | 28,900                                                                            | 26.1                                                                              | 213.7                                                                             | 33,100                                                                            | 33.2                                                                               | 226.9                                                                               | 32,000                                                                              | 135                                                                                 |
| 140                                                                               | 11.8                                                                              | 183.3                                                                             | 28,500                                                                            | 20.4                                                                              | 201.8                                                                             | 31,800                                                                            | 28.9                                                                               | 218.4                                                                               | 30,300                                                                              | 140                                                                                 |
| 142                                                                               | 5.6                                                                               | 169.3                                                                             | 28,500                                                                            | 16.8                                                                              | 194.7                                                                             | 31,300                                                                            | 26.0                                                                               | 214.2                                                                               | 29,700                                                                              | 142                                                                                 |
| 145                                                                               |                                                                                   |                                                                                   |                                                                                   | 12.3                                                                              | 184.1                                                                             | 30,500                                                                            | 23.8                                                                               | 208.0                                                                               | 28,800                                                                              | 145                                                                                 |
| 147                                                                               |                                                                                   |                                                                                   |                                                                                   | 6.6                                                                               | 171.3                                                                             | 29,700                                                                            | 20.6                                                                               | 202.5                                                                               | 28,300                                                                              | 147                                                                                 |
| 150                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 17.3                                                                               | 194.3                                                                               | 27,400                                                                              | 150                                                                                 |
| 155                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 5.7                                                                                | 168.4                                                                               | 26,000                                                                              | 155                                                                                 |
| 160                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 160                                                                                 |
| 163                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 163                                                                                 |
| 165                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 165                                                                                 |
| 170                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 175                                                                                 |
| 176                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 176                                                                                 |
| 180                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 185                                                                                 |
| 188                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 188                                                                                 |
| 190                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 200                                                                                 |

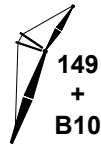




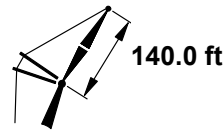
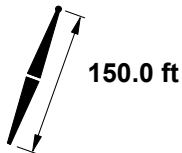
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 84  | 67.6 | 275.2 | 57,200 |      |       |        |      |       |        |      |       |        | 84  |
| 85  | 67.1 | 274.8 | 56,400 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 64.7 | 272.5 | 52,300 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 62.2 | 269.9 | 48,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 59.7 | 267.1 | 45,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 57.1 | 263.9 | 42,600 |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 55.8 | 262.5 | 41,500 | 62.6 | 267.3 | 37,500 |      |       |        |      |       |        | 107 |
| 110 | 54.4 | 260.5 | 40,000 | 61.1 | 265.7 | 36,100 |      |       |        |      |       |        | 110 |
| 115 | 51.6 | 256.6 | 37,600 | 58.5 | 262.7 | 33,900 |      |       |        |      |       |        | 115 |
| 120 | 48.7 | 252.4 | 35,500 | 55.9 | 259.4 | 32,000 |      |       |        |      |       |        | 120 |
| 125 | 45.7 | 247.6 | 33,600 | 53.2 | 255.7 | 30,200 |      |       |        |      |       |        | 125 |
| 129 | 42.6 | 243.4 | 32,100 | 50.6 | 252.5 | 28,900 | 57.7 | 257.5 | 25,700 |      |       |        | 129 |
| 130 | 42.5 | 242.4 | 31,800 | 50.3 | 251.7 | 28,500 | 57.2 | 256.9 | 25,400 |      |       |        | 130 |
| 135 | 39.1 | 236.5 | 30,100 | 47.4 | 247.3 | 27,000 | 54.5 | 253.4 | 24,000 |      |       |        | 135 |
| 140 | 35.4 | 229.7 | 28,600 | 44.3 | 242.3 | 25,600 | 51.7 | 249.6 | 22,700 |      |       |        | 140 |
| 142 | 33.4 | 226.6 | 28,000 | 42.4 | 240.1 | 25,100 | 49.8 | 247.9 | 22,200 |      |       |        | 142 |
| 145 | 31.3 | 222.0 | 27,100 | 41.0 | 236.8 | 24,300 | 48.8 | 245.4 | 21,500 |      |       |        | 145 |
| 147 | 29.0 | 218.3 | 26,600 | 38.8 | 234.2 | 23,800 | 46.8 | 243.5 | 21,100 |      |       |        | 147 |
| 150 | 26.7 | 212.7 | 25,800 | 37.4 | 230.5 | 23,100 | 45.8 | 240.6 | 20,400 | 52.8 | 246.0 | 17,800 | 150 |
| 155 | 21.1 | 201.1 | 24,500 | 33.6 | 223.3 | 21,900 | 42.6 | 235.4 | 19,400 | 50.0 | 241.9 | 16,800 | 155 |
| 160 | 13.5 | 184.5 | 23,300 | 29.3 | 215.0 | 20,900 | 39.2 | 229.5 | 18,400 | 47.0 | 237.4 | 15,900 | 160 |
| 163 | 4.3  | 163.9 | 22,600 | 26.0 | 208.9 | 20,300 | 36.6 | 225.5 | 17,800 | 44.6 | 234.4 | 15,400 | 163 |
| 165 |      |       |        | 24.3 | 204.8 | 19,900 | 35.5 | 222.8 | 17,500 | 43.9 | 232.4 | 15,100 | 165 |
| 170 |      |       |        | 18.1 | 191.5 | 18,900 | 31.4 | 215.1 | 16,600 | 40.6 | 226.8 | 14,300 | 170 |
| 175 |      |       |        | 7.7  | 168.6 | 17,900 | 26.8 | 205.9 | 15,800 | 37.0 | 220.4 | 13,600 | 175 |
| 176 |      |       |        | 0.9  | 153.3 | 17,700 | 25.0 | 203.6 | 15,600 | 36.2 | 219.0 | 13,500 | 176 |
| 180 |      |       |        |      |       |        | 21.3 | 194.4 | 15,000 | 33.1 | 213.2 | 12,900 | 180 |
| 185 |      |       |        |      |       |        | 13.8 | 178.0 | 14,200 | 28.8 | 204.6 | 12,200 | 185 |
| 188 |      |       |        |      |       |        | 5.2  | 158.9 | 13,700 | 25.0 | 198.4 | 11,800 | 188 |
| 190 |      |       |        |      |       |        |      |       |        | 23.7 | 194.2 | 11,600 | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 17.2 | 180.4 | 11,000 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 5.3  | 153.8 | 10,300 | 200 |



184,600 lb  
+  
44,000 lb



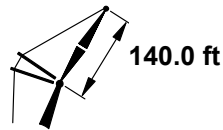
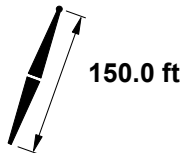
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 48  | 75.8 | 293.4 | 66,200 b |      |       |        |      |       |        | 48  |
| 50  | 75.0 | 292.9 | 65,700 b |      |       |        |      |       |        | 50  |
| 55  | 72.9 | 291.4 | 63,400   |      |       |        |      |       |        | 55  |
| 58  | 70.8 | 290.4 | 62,600   | 73.8 | 291.7 | 76,400 |      |       |        | 58  |
| 60  | 70.7 | 289.7 | 62,100   | 73.0 | 291.1 | 76,300 |      |       |        | 60  |
| 65  | 68.5 | 287.8 | 60,700   | 70.8 | 289.4 | 75,700 |      |       |        | 65  |
| 70  | 66.3 | 285.7 | 59,300   | 68.6 | 287.5 | 72,700 |      |       |        | 70  |
| 73  | 64.8 | 284.2 | 58,600   | 66.8 | 286.3 | 70,500 | 70.7 | 288.5 | 72,100 | 73  |
| 75  | 64.0 | 283.3 | 58,100   | 66.4 | 285.4 | 69,000 | 69.8 | 287.8 | 69,600 | 75  |
| 80  | 61.7 | 280.7 | 54,500   | 64.1 | 283.0 | 65,200 | 67.6 | 285.8 | 63,900 | 80  |
| 85  | 59.3 | 277.8 | 51,000   | 61.8 | 280.4 | 61,300 | 65.4 | 283.5 | 59,000 | 85  |
| 87  | 57.8 | 276.5 | 49,700   | 60.2 | 279.3 | 59,900 | 64.2 | 282.5 | 57,300 | 87  |
| 90  | 56.9 | 274.6 | 47,700   | 59.4 | 277.6 | 57,600 | 63.1 | 281.1 | 54,800 | 90  |
| 95  | 54.4 | 271.1 | 44,600   | 57.0 | 274.4 | 53,800 | 60.8 | 278.3 | 51,000 | 95  |
| 100 | 51.8 | 267.3 | 41,700   | 54.5 | 270.9 | 50,300 | 58.4 | 275.3 | 47,600 | 100 |
| 105 | 49.2 | 263.1 | 39,000   | 52.0 | 267.1 | 47,200 | 55.9 | 272.0 | 44,600 | 105 |
| 110 | 46.4 | 258.5 | 36,500   | 49.3 | 262.9 | 44,300 | 53.4 | 268.4 | 41,900 | 110 |
| 111 | 45.4 | 257.4 | 36,100   | 48.4 | 262.0 | 43,800 | 52.4 | 267.6 | 41,400 | 111 |
| 115 | 43.5 | 253.4 | 34,300   | 46.5 | 258.3 | 41,600 | 50.8 | 264.5 | 39,400 | 115 |
| 120 | 40.4 | 247.7 | 32,300   | 43.6 | 253.3 | 38,900 | 48.1 | 260.1 | 37,200 | 120 |
| 125 | 37.1 | 241.3 | 30,400   | 40.5 | 247.6 | 36,500 | 45.3 | 255.3 | 35,200 | 125 |
| 130 | 33.5 | 234.1 | 28,900   | 37.2 | 241.3 | 34,300 | 42.3 | 250.0 | 33,300 | 130 |
| 134 | 29.8 | 227.4 | 27,800   | 33.8 | 235.5 | 32,800 | 39.6 | 245.2 | 31,900 | 134 |
| 135 | 29.5 | 225.8 | 27,500   | 33.6 | 234.1 | 32,400 | 39.1 | 244.1 | 31,500 | 135 |
| 140 | 24.9 | 215.8 | 26,400   | 29.7 | 225.8 | 30,700 | 35.7 | 237.4 | 29,900 | 140 |
| 145 | 19.4 | 203.2 | 25,600   | 25.1 | 216.0 | 29,300 | 31.9 | 229.8 | 28,400 | 145 |
| 150 | 11.4 | 184.3 | 25,400   | 19.6 | 203.5 | 28,200 | 27.8 | 220.9 | 27,100 | 150 |
| 152 | 5.3  | 169.7 | 25,100   | 15.8 | 196.1 | 27,800 | 25.0 | 216.5 | 26,500 | 152 |
| 155 |      |       |          | 11.8 | 185.1 | 27,300 | 22.9 | 210.0 | 25,700 | 155 |
| 156 |      |       |          | 8.5  | 178.4 | 26,800 | 20.8 | 207.2 | 25,500 | 156 |
| 157 |      |       |          | 6.3  | 171.8 | 26,200 | 19.6 | 204.3 | 25,200 | 157 |
| 160 |      |       |          |      |       |        | 16.7 | 195.7 | 24,500 | 160 |
| 165 |      |       |          |      |       |        | 5.5  | 168.8 | 23,300 | 165 |
| 170 |      |       |          |      |       |        |      |       |        | 170 |
| 173 |      |       |          |      |       |        |      |       |        | 173 |
| 175 |      |       |          |      |       |        |      |       |        | 175 |
| 180 |      |       |          |      |       |        |      |       |        | 180 |
| 185 |      |       |          |      |       |        |      |       |        | 185 |
| 186 |      |       |          |      |       |        |      |       |        | 186 |
| 190 |      |       |          |      |       |        |      |       |        | 190 |
| 195 |      |       |          |      |       |        |      |       |        | 195 |
| 198 |      |       |          |      |       |        |      |       |        | 198 |
| 200 |      |       |          |      |       |        |      |       |        | 200 |
| 210 |      |       |          |      |       |        |      |       |        | 210 |

# MLC250 S-2

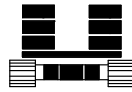
ASME B30.5



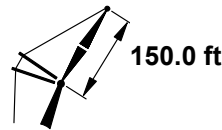
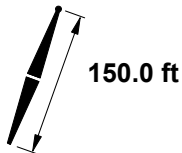
184,600 lb  
+  
44,000 lb

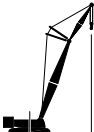
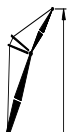
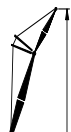


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 58  |      |       |        |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 87  | 68.0 | 284.8 | 54,100 |      |       |        |      |       |        |      |       |        | 87  |
| 90  | 66.6 | 283.5 | 51,700 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.4 | 281.2 | 48,100 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.1 | 278.6 | 44,900 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 59.7 | 275.7 | 42,100 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 57.3 | 272.6 | 39,500 |      |       |        |      |       |        |      |       |        | 110 |
| 111 | 56.4 | 271.9 | 39,000 | 62.9 | 276.5 | 35,000 |      |       |        |      |       |        | 111 |
| 115 | 54.8 | 269.2 | 37,100 | 61.0 | 274.3 | 33,300 |      |       |        |      |       |        | 115 |
| 120 | 52.3 | 265.4 | 35,000 | 58.6 | 271.3 | 31,400 |      |       |        |      |       |        | 120 |
| 125 | 49.6 | 261.3 | 33,100 | 56.2 | 268.1 | 29,600 |      |       |        |      |       |        | 125 |
| 130 | 46.8 | 256.7 | 31,300 | 53.7 | 264.5 | 28,000 |      |       |        |      |       |        | 130 |
| 134 | 43.6 | 252.7 | 30,000 | 51.4 | 261.3 | 26,800 | 57.9 | 266.2 | 23,600 |      |       |        | 134 |
| 135 | 43.9 | 251.7 | 29,600 | 51.1 | 260.6 | 26,500 | 57.4 | 265.6 | 23,400 |      |       |        | 135 |
| 140 | 40.9 | 246.1 | 28,100 | 48.4 | 256.2 | 25,100 | 54.9 | 262.2 | 22,100 |      |       |        | 140 |
| 145 | 37.6 | 239.9 | 26,700 | 45.5 | 251.5 | 23,800 | 52.3 | 258.4 | 20,900 |      |       |        | 145 |
| 150 | 34.0 | 232.8 | 25,400 | 42.6 | 246.2 | 22,600 | 49.7 | 254.3 | 19,800 |      |       |        | 150 |
| 152 | 32.4 | 229.6 | 24,900 | 40.8 | 243.9 | 22,100 | 47.8 | 252.4 | 19,400 |      |       |        | 152 |
| 155 | 30.1 | 224.7 | 24,100 | 39.4 | 240.4 | 21,400 | 46.9 | 249.7 | 18,800 |      |       |        | 155 |
| 156 | 29.0 | 222.7 | 23,900 | 38.4 | 239.0 | 21,200 | 45.6 | 248.7 | 18,600 | 52.9 | 254.0 | 16,000 | 156 |
| 157 | 28.0 | 220.8 | 23,700 | 37.8 | 237.7 | 21,000 | 45.2 | 247.7 | 18,400 | 51.5 | 253.2 | 15,800 | 157 |
| 160 | 25.7 | 215.0 | 23,000 | 36.0 | 233.8 | 20,400 | 44.0 | 244.7 | 17,800 | 50.8 | 250.8 | 15,300 | 160 |
| 165 | 20.3 | 202.9 | 21,900 | 32.3 | 226.2 | 19,400 | 41.0 | 239.2 | 16,900 | 48.0 | 246.4 | 14,500 | 165 |
| 170 | 12.9 | 185.6 | 20,800 | 28.2 | 217.5 | 18,400 | 37.7 | 232.9 | 16,100 | 45.2 | 241.6 | 13,700 | 170 |
| 173 | 4.1  | 164.2 | 20,100 | 25.0 | 211.1 | 17,900 | 35.2 | 228.7 | 15,600 | 43.2 | 238.4 | 13,300 | 173 |
| 175 |      |       |        | 23.4 | 206.9 | 17,500 | 34.2 | 225.9 | 15,300 | 42.2 | 236.3 | 13,000 | 175 |
| 180 |      |       |        | 17.4 | 193.0 | 16,700 | 30.3 | 217.8 | 14,500 | 39.0 | 230.3 | 12,300 | 180 |
| 185 |      |       |        | 7.4  | 169.2 | 15,800 | 25.8 | 208.2 | 13,800 | 35.6 | 223.7 | 11,700 | 185 |
| 186 |      |       |        | 0.9  | 153.3 | 15,600 | 24.0 | 205.8 | 13,600 | 34.2 | 222.1 | 11,600 | 186 |
| 190 |      |       |        |      |       |        | 20.5 | 196.2 | 13,100 | 31.9 | 216.0 | 11,000 | 190 |
| 195 |      |       |        |      |       |        | 13.2 | 179.1 | 12,400 | 27.7 | 207.1 | 10,400 | 195 |
| 198 |      |       |        |      |       |        | 5.0  | 159.3 | 11,900 | 24.0 | 200.6 | 10,000 | 198 |
| 200 |      |       |        |      |       |        |      |       |        | 22.8 | 196.2 | 9,800  | 200 |
| 210 |      |       |        |      |       |        |      |       |        | 5.1  | 154.2 | 8,500  | 210 |



184,600 lb  
+  
44,000 lb



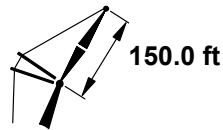
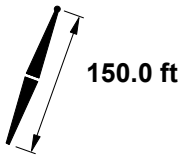
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 50                                                                                | 76.0                                                                                  | 303.3                                                                             | 60,600 b                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 74.0                                                                                  | 301.9                                                                             | 59,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 72.0                                                                                  | 300.3                                                                             | 57,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 61                                                                                | 71.6                                                                                  | 299.9                                                                             | 57,500                                                                            | 73.7                                                                                  | 301.3                                                                             | 69,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 61                                                                                  |
| 65                                                                                | 70.0                                                                                  | 298.5                                                                             | 57,100                                                                            | 72.1                                                                                  | 300.0                                                                             | 69,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 68.0                                                                                  | 296.6                                                                             | 55,900                                                                            | 70.1                                                                                  | 298.3                                                                             | 68,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 65.9                                                                                  | 294.4                                                                             | 54,200                                                                            | 68.0                                                                                  | 296.3                                                                             | 65,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 64.6                                                                                  | 293.9                                                                             | 53,800                                                                            | 67.4                                                                                  | 295.9                                                                             | 65,000                                                                            | 70.8                                                                                    | 298.0                                                                               | 68,200                                                                              | 76                                                                                  |
| 80                                                                                | 63.7                                                                                  | 292.0                                                                             | 52,600                                                                            | 66.0                                                                                  | 294.1                                                                             | 62,400                                                                            | 69.2                                                                                    | 296.6                                                                               | 63,700                                                                              | 80                                                                                  |
| 85                                                                                | 61.6                                                                                  | 289.3                                                                             | 49,400                                                                            | 63.8                                                                                  | 291.7                                                                             | 59,100                                                                            | 67.1                                                                                    | 294.5                                                                               | 58,900                                                                              | 85                                                                                  |
| 90                                                                                | 59.4                                                                                  | 286.4                                                                             | 46,400                                                                            | 61.7                                                                                  | 289.1                                                                             | 55,800                                                                            | 65.0                                                                                    | 292.2                                                                               | 54,600                                                                              | 90                                                                                  |
| 91                                                                                | 58.6                                                                                  | 285.8                                                                             | 45,800                                                                            | 60.6                                                                                  | 288.5                                                                             | 55,100                                                                            | 64.4                                                                                    | 291.7                                                                               | 53,800                                                                              | 91                                                                                  |
| 95                                                                                | 57.1                                                                                  | 283.3                                                                             | 43,500                                                                            | 59.5                                                                                  | 286.2                                                                             | 52,600                                                                            | 62.9                                                                                    | 289.7                                                                               | 50,800                                                                              | 95                                                                                  |
| 100                                                                               | 54.8                                                                                  | 279.8                                                                             | 40,900                                                                            | 57.2                                                                                  | 283.1                                                                             | 49,400                                                                            | 60.7                                                                                    | 287.0                                                                               | 47,400                                                                              | 100                                                                                 |
| 105                                                                               | 52.4                                                                                  | 276.1                                                                             | 38,300                                                                            | 54.9                                                                                  | 279.7                                                                             | 46,400                                                                            | 58.5                                                                                    | 284.0                                                                               | 44,400                                                                              | 105                                                                                 |
| 110                                                                               | 50.0                                                                                  | 272.0                                                                             | 35,900                                                                            | 52.5                                                                                  | 275.9                                                                             | 43,500                                                                            | 56.2                                                                                    | 280.7                                                                               | 41,700                                                                              | 110                                                                                 |
| 115                                                                               | 47.4                                                                                  | 267.5                                                                             | 33,800                                                                            | 50.1                                                                                  | 271.8                                                                             | 41,000                                                                            | 53.9                                                                                    | 277.2                                                                               | 39,300                                                                              | 115                                                                                 |
| 116                                                                               | 46.4                                                                                  | 266.5                                                                             | 33,400                                                                            | 49.4                                                                                  | 270.9                                                                             | 40,500                                                                            | 52.6                                                                                    | 276.4                                                                               | 38,800                                                                              | 116                                                                                 |
| 120                                                                               | 44.7                                                                                  | 262.6                                                                             | 31,700                                                                            | 47.5                                                                                  | 267.4                                                                             | 38,500                                                                            | 51.5                                                                                    | 273.3                                                                               | 37,000                                                                              | 120                                                                                 |
| 125                                                                               | 41.9                                                                                  | 257.2                                                                             | 29,900                                                                            | 44.8                                                                                  | 262.5                                                                             | 36,100                                                                            | 49.0                                                                                    | 269.1                                                                               | 35,000                                                                              | 125                                                                                 |
| 130                                                                               | 38.9                                                                                  | 251.2                                                                             | 28,300                                                                            | 42.0                                                                                  | 257.1                                                                             | 33,900                                                                            | 46.3                                                                                    | 264.4                                                                               | 33,100                                                                              | 130                                                                                 |
| 135                                                                               | 35.7                                                                                  | 244.6                                                                             | 26,800                                                                            | 39.1                                                                                  | 251.2                                                                             | 32,000                                                                            | 43.6                                                                                    | 259.3                                                                               | 31,400                                                                              | 135                                                                                 |
| 139                                                                               | 32.6                                                                                  | 238.5                                                                             | 25,800                                                                            | 35.8                                                                                  | 245.9                                                                             | 30,600                                                                            | 40.6                                                                                    | 254.8                                                                               | 30,100                                                                              | 139                                                                                 |
| 140                                                                               | 32.3                                                                                  | 237.0                                                                             | 25,500                                                                            | 35.9                                                                                  | 244.5                                                                             | 30,200                                                                            | 40.7                                                                                    | 253.7                                                                               | 29,800                                                                              | 140                                                                                 |
| 145                                                                               | 28.4                                                                                  | 228.3                                                                             | 24,400                                                                            | 32.4                                                                                  | 237.0                                                                             | 28,700                                                                            | 37.7                                                                                    | 247.5                                                                               | 28,300                                                                              | 145                                                                                 |
| 150                                                                               | 24.0                                                                                  | 217.9                                                                             | 23,500                                                                            | 28.6                                                                                  | 228.4                                                                             | 27,300                                                                            | 34.4                                                                                    | 240.5                                                                               | 26,900                                                                              | 150                                                                                 |
| 155                                                                               | 18.7                                                                                  | 204.8                                                                             | 22,800                                                                            | 24.3                                                                                  | 218.1                                                                             | 26,200                                                                            | 30.8                                                                                    | 232.5                                                                               | 25,600                                                                              | 155                                                                                 |
| 160                                                                               | 11.0                                                                                  | 185.2                                                                             | 22,700                                                                            | 19.0                                                                                  | 205.1                                                                             | 25,200                                                                            | 26.8                                                                                    | 223.2                                                                               | 24,400                                                                              | 160                                                                                 |
| 162                                                                               | 5.1                                                                                   | 170.1                                                                             | 22,400                                                                            | 15.2                                                                                  | 197.5                                                                             | 25,000                                                                            | 24.4                                                                                    | 218.7                                                                               | 24,000                                                                              | 162                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   | 11.4                                                                                  | 186.1                                                                             | 24,800                                                                            | 22.1                                                                                    | 212.0                                                                               | 23,300                                                                              | 165                                                                                 |
| 167                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.1                                                                                   | 172.3                                                                             | 23,400                                                                            | 19.6                                                                                    | 206.0                                                                               | 22,800                                                                              | 167                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 16.1                                                                                    | 197.1                                                                               | 22,200                                                                              | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.3                                                                                     | 169.3                                                                               | 21,100                                                                              | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 183                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 183                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 196                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 196                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |

# MLC250 S-2

ASME B30.5



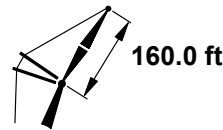
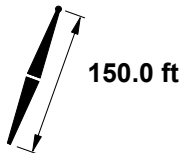
184,600 lb  
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44,000 lb

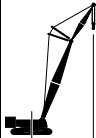
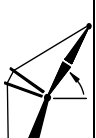
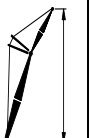
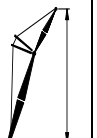
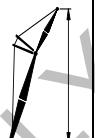
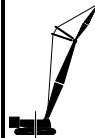


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 91  | 67.9 | 294.0 | 50,800 |      |       |        |      |       |        |      |       |        | 91  |
| 95  | 66.2 | 292.2 | 47,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.1 | 289.9 | 44,700 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.9 | 287.3 | 41,900 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 59.7 | 284.4 | 39,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 57.5 | 281.3 | 37,000 |      |       |        |      |       |        |      |       |        | 115 |
| 116 | 56.6 | 280.6 | 36,500 | 62.7 | 285.2 | 32,800 |      |       |        |      |       |        | 116 |
| 120 | 55.2 | 277.9 | 34,800 | 60.9 | 283.0 | 31,200 |      |       |        |      |       |        | 120 |
| 125 | 52.8 | 274.2 | 32,900 | 58.7 | 280.0 | 29,400 |      |       |        |      |       |        | 125 |
| 130 | 50.3 | 270.2 | 31,100 | 56.4 | 276.8 | 27,800 |      |       |        |      |       |        | 130 |
| 135 | 47.8 | 265.8 | 29,500 | 54.1 | 273.2 | 26,300 |      |       |        |      |       |        | 135 |
| 139 | 45.4 | 261.9 | 28,300 | 51.6 | 270.2 | 25,200 | 58.0 | 274.9 | 22,100 |      |       |        | 139 |
| 140 | 45.1 | 260.9 | 27,900 | 51.7 | 269.4 | 24,900 | 57.6 | 274.3 | 21,900 |      |       |        | 140 |
| 145 | 42.3 | 255.6 | 26,500 | 49.2 | 265.2 | 23,600 | 55.2 | 270.9 | 20,700 |      |       |        | 145 |
| 150 | 39.4 | 249.7 | 25,200 | 46.6 | 260.6 | 22,400 | 52.9 | 267.2 | 19,600 |      |       |        | 150 |
| 155 | 36.3 | 243.2 | 24,000 | 43.9 | 255.5 | 21,300 | 50.4 | 263.1 | 18,600 |      |       |        | 155 |
| 160 | 32.8 | 235.8 | 22,900 | 41.0 | 250.0 | 20,200 | 47.9 | 258.7 | 17,600 |      |       |        | 160 |
| 162 | 30.8 | 232.4 | 22,400 | 39.8 | 247.5 | 19,800 | 46.2 | 256.8 | 17,300 | 52.9 | 262.0 | 14,800 | 162 |
| 165 | 29.1 | 227.3 | 21,800 | 38.0 | 243.8 | 19,200 | 45.2 | 253.9 | 16,700 | 51.4 | 259.6 | 14,300 | 165 |
| 167 | 27.0 | 223.2 | 21,400 | 36.4 | 241.0 | 18,900 | 43.8 | 251.8 | 16,400 | 49.8 | 257.9 | 14,000 | 167 |
| 170 | 24.8 | 217.2 | 20,700 | 34.7 | 236.9 | 18,300 | 42.4 | 248.6 | 15,900 | 48.9 | 255.4 | 13,600 | 170 |
| 175 | 19.6 | 204.6 | 19,800 | 31.2 | 229.0 | 17,400 | 39.5 | 242.8 | 15,100 | 46.3 | 250.7 | 12,800 | 175 |
| 180 | 12.5 | 186.7 | 18,800 | 27.2 | 219.9 | 16,600 | 36.4 | 236.2 | 14,400 | 43.6 | 245.6 | 12,100 | 180 |
| 183 | 3.9  | 164.5 | 18,200 | 24.0 | 213.3 | 16,100 | 33.6 | 231.8 | 13,900 | 41.2 | 242.3 | 11,700 | 183 |
| 185 |      |       |        | 22.6 | 208.9 | 15,800 | 32.9 | 228.9 | 13,600 | 40.7 | 240.0 | 11,400 | 185 |
| 190 |      |       |        | 16.8 | 194.5 | 15,000 | 29.2 | 220.4 | 13,000 | 37.6 | 233.8 | 10,800 | 190 |
| 195 |      |       |        | 7.1  | 169.8 | 14,300 | 24.9 | 210.4 | 12,300 | 34.4 | 226.8 | 10,100 | 195 |
| 196 |      |       |        | 0.8  | 153.2 | 14,100 | 23.0 | 207.9 | 12,200 | 33.2 | 225.2 | 10,000 | 196 |
| 200 |      |       |        |      |       |        | 19.8 | 197.9 | 11,700 | 30.8 | 218.8 | 9,500  | 200 |
| 205 |      |       |        |      |       |        | 12.8 | 180.2 | 11,100 | 26.7 | 209.5 | 9,000  | 205 |
| 208 |      |       |        |      |       |        | 4.8  | 159.6 | 10,700 | 23.0 | 202.7 | 8,600  | 208 |
| 210 |      |       |        |      |       |        |      |       |        | 22.0 | 198.2 | 8,400  | 210 |
| 220 |      |       |        |      |       |        |      |       |        | 4.9  | 154.6 | 7,200  | 220 |



184,600 lb  
+  
44,000 lb



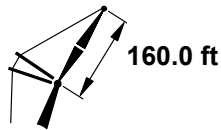
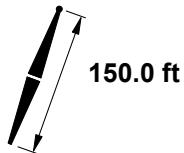
|     |  88° |                                                                                     |                                                                                      |  86° |                                                                                     |                                                                                      |  83° |                                                                                      |                                                                                        |                                                                                        |                                                                                        |
|-----|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|     |  ft  |  ° |  ft |  lb  |  ° |  ft |  lb    |  ° |  ft |  lb |  ft |
| 53  | 75.8                                                                                  | 312.8                                                                               | 55,300                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 53                                                                                     |
| 55  | 75.1                                                                                  | 312.3                                                                               | 54,900                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 55                                                                                     |
| 60  | 73.2                                                                                  | 310.8                                                                               | 54,000                                                                               |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 60                                                                                     |
| 63  | 71.8                                                                                  | 309.8                                                                               | 53,400                                                                               | 74.0                                                                                  | 311.1                                                                               | 63,700                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 63                                                                                     |
| 65  | 71.3                                                                                  | 309.2                                                                               | 53,000                                                                               | 73.3                                                                                  | 310.5                                                                               | 63,500                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 65                                                                                     |
| 70  | 69.4                                                                                  | 307.3                                                                               | 51,400                                                                               | 71.4                                                                                  | 308.9                                                                               | 63,200                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 70                                                                                     |
| 75  | 67.5                                                                                  | 305.3                                                                               | 51,000                                                                               | 69.5                                                                                  | 307.1                                                                               | 62,100                                                                               |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 75                                                                                     |
| 79  | 65.4                                                                                  | 303.5                                                                               | 49,800                                                                               | 67.4                                                                                  | 305.4                                                                               | 59,900                                                                               | 70.9                                                                                    | 307.6                                                                                | 62,000                                                                                 |                                                                                        | 79                                                                                     |
| 80  | 65.5                                                                                  | 303.1                                                                               | 49,500                                                                               | 67.6                                                                                  | 305.0                                                                               | 59,400                                                                               | 70.6                                                                                    | 307.2                                                                                | 62,000                                                                                 |                                                                                        | 80                                                                                     |
| 85  | 63.5                                                                                  | 300.6                                                                               | 47,700                                                                               | 65.6                                                                                  | 302.8                                                                               | 56,500                                                                               | 68.6                                                                                    | 305.3                                                                                | 58,400                                                                                 |                                                                                        | 85                                                                                     |
| 90  | 61.5                                                                                  | 298.0                                                                               | 44,900                                                                               | 63.6                                                                                  | 300.4                                                                               | 53,700                                                                               | 66.7                                                                                    | 303.2                                                                                | 54,100                                                                                 |                                                                                        | 90                                                                                     |
| 95  | 59.4                                                                                  | 295.1                                                                               | 42,200                                                                               | 61.6                                                                                  | 297.8                                                                               | 50,900                                                                               | 64.7                                                                                    | 300.9                                                                                | 50,300                                                                                 |                                                                                        | 95                                                                                     |
| 100 | 57.3                                                                                  | 292.0                                                                               | 39,800                                                                               | 59.5                                                                                  | 294.9                                                                               | 48,000                                                                               | 62.7                                                                                    | 298.4                                                                                | 47,000                                                                                 |                                                                                        | 100                                                                                    |
| 105 | 55.1                                                                                  | 288.6                                                                               | 37,500                                                                               | 57.4                                                                                  | 291.8                                                                               | 45,300                                                                               | 60.7                                                                                    | 295.7                                                                                | 44,000                                                                                 |                                                                                        | 105                                                                                    |
| 110 | 52.9                                                                                  | 284.9                                                                               | 35,300                                                                               | 55.2                                                                                  | 288.4                                                                               | 42,700                                                                               | 58.6                                                                                    | 292.7                                                                                | 41,300                                                                                 |                                                                                        | 110                                                                                    |
| 115 | 50.6                                                                                  | 280.9                                                                               | 33,200                                                                               | 53.0                                                                                  | 284.7                                                                               | 40,200                                                                               | 56.5                                                                                    | 289.4                                                                                | 38,800                                                                                 |                                                                                        | 115                                                                                    |
| 120 | 48.2                                                                                  | 276.5                                                                               | 31,200                                                                               | 50.7                                                                                  | 280.7                                                                               | 37,900                                                                               | 54.3                                                                                    | 285.9                                                                                | 36,600                                                                                 |                                                                                        | 120                                                                                    |
| 125 | 45.8                                                                                  | 271.8                                                                               | 29,400                                                                               | 48.4                                                                                  | 276.4                                                                               | 35,700                                                                               | 52.0                                                                                    | 282.1                                                                                | 34,500                                                                                 |                                                                                        | 125                                                                                    |
| 130 | 43.2                                                                                  | 266.6                                                                               | 27,800                                                                               | 45.9                                                                                  | 271.6                                                                               | 33,700                                                                               | 49.7                                                                                    | 278.0                                                                                | 32,700                                                                                 |                                                                                        | 130                                                                                    |
| 135 | 40.5                                                                                  | 260.9                                                                               | 26,300                                                                               | 43.3                                                                                  | 266.5                                                                               | 31,700                                                                               | 47.3                                                                                    | 273.5                                                                                | 31,000                                                                                 |                                                                                        | 135                                                                                    |
| 140 | 37.6                                                                                  | 254.7                                                                               | 25,000                                                                               | 40.6                                                                                  | 260.8                                                                               | 29,900                                                                               | 44.8                                                                                    | 268.6                                                                                | 29,400                                                                                 |                                                                                        | 140                                                                                    |
| 145 | 34.6                                                                                  | 247.7                                                                               | 23,800                                                                               | 37.8                                                                                  | 254.6                                                                               | 28,300                                                                               | 42.2                                                                                    | 263.2                                                                                | 27,900                                                                                 |                                                                                        | 145                                                                                    |
| 150 | 31.2                                                                                  | 239.8                                                                               | 22,600                                                                               | 34.7                                                                                  | 247.7                                                                               | 26,800                                                                               | 39.4                                                                                    | 257.3                                                                                | 26,500                                                                                 |                                                                                        | 150                                                                                    |
| 155 | 27.5                                                                                  | 230.8                                                                               | 21,800                                                                               | 31.4                                                                                  | 239.8                                                                               | 25,600                                                                               | 36.4                                                                                    | 250.8                                                                                | 25,200                                                                                 |                                                                                        | 155                                                                                    |
| 160 | 23.3                                                                                  | 220.0                                                                               | 21,000                                                                               | 27.7                                                                                  | 230.8                                                                               | 24,400                                                                               | 33.3                                                                                    | 243.5                                                                                | 24,000                                                                                 |                                                                                        | 160                                                                                    |
| 165 | 18.1                                                                                  | 206.4                                                                               | 20,500                                                                               | 23.5                                                                                  | 220.2                                                                               | 23,400                                                                               | 29.8                                                                                    | 235.2                                                                                | 22,900                                                                                 |                                                                                        | 165                                                                                    |
| 168 | 13.2                                                                                  | 194.2                                                                               | 20,500                                                                               | 20.0                                                                                  | 212.1                                                                               | 23,000                                                                               | 26.6                                                                                    | 229.4                                                                                | 22,300                                                                                 |                                                                                        | 168                                                                                    |
| 170 | 10.6                                                                                  | 186.1                                                                               | 20,500                                                                               | 18.3                                                                                  | 206.7                                                                               | 22,700                                                                               | 25.9                                                                                    | 225.5                                                                                | 21,800                                                                                 |                                                                                        | 170                                                                                    |
| 172 | 4.9                                                                                   | 170.5                                                                               | 19,700                                                                               | 15.2                                                                                  | 198.8                                                                               | 22,500                                                                               | 23.4                                                                                    | 220.9                                                                                | 21,400                                                                                 |                                                                                        | 172                                                                                    |
| 175 |                                                                                       |                                                                                     |                                                                                      | 11.0                                                                                  | 187.0                                                                               | 22,200                                                                               | 21.4                                                                                    | 213.9                                                                                | 20,800                                                                                 |                                                                                        | 175                                                                                    |
| 177 |                                                                                       |                                                                                     |                                                                                      | 5.9                                                                                   | 172.8                                                                               | 20,600                                                                               | 18.6                                                                                    | 207.7                                                                                | 20,400                                                                                 |                                                                                        | 177                                                                                    |
| 180 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 15.6                                                                                    | 198.5                                                                                | 19,900                                                                                 |                                                                                        | 180                                                                                    |
| 185 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      | 5.1                                                                                     | 169.7                                                                                | 18,900                                                                                 |                                                                                        | 185                                                                                    |
| 190 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 190                                                                                    |
| 193 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 193                                                                                    |
| 195 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 195                                                                                    |
| 200 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 200                                                                                    |
| 205 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 205                                                                                    |
| 206 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 206                                                                                    |
| 210 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 210                                                                                    |
| 215 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 215                                                                                    |
| 218 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 218                                                                                    |
| 220 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 220                                                                                    |
| 230 |                                                                                       |                                                                                     |                                                                                      |                                                                                       |                                                                                     |                                                                                      |                                                                                         |                                                                                      |                                                                                        |                                                                                        | 230                                                                                    |

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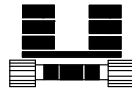
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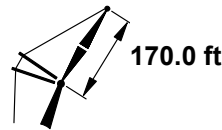
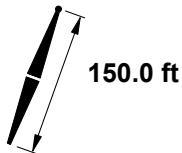
184,600 lb  
+  
44,000 lb

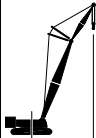
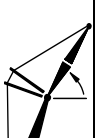
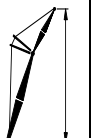
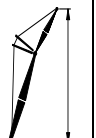
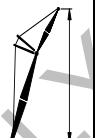
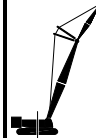


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 79  |      |       |        |      |       |        |      |       |        |      |       |        | 79  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 67.8 | 303.1 | 47,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.8 | 300.9 | 44,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.8 | 298.5 | 41,300 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.8 | 295.9 | 38,800 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 59.7 | 293.1 | 36,400 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 57.6 | 290.0 | 34,300 | 62.9 | 294.4 | 30,600 |      |       |        |      |       |        | 120 |
| 125 | 55.5 | 286.6 | 32,400 | 60.9 | 291.6 | 28,900 |      |       |        |      |       |        | 125 |
| 130 | 53.3 | 283.0 | 30,600 | 58.8 | 288.7 | 27,200 |      |       |        |      |       |        | 130 |
| 135 | 51.0 | 279.0 | 29,000 | 56.7 | 285.5 | 25,700 |      |       |        |      |       |        | 135 |
| 140 | 48.6 | 274.7 | 27,500 | 54.5 | 282.0 | 24,300 |      |       |        |      |       |        | 140 |
| 145 | 46.2 | 270.0 | 26,100 | 52.2 | 278.2 | 23,100 | 57.7 | 282.9 | 20,100 |      |       |        | 145 |
| 150 | 43.6 | 264.9 | 24,800 | 49.9 | 274.1 | 21,900 | 55.6 | 279.6 | 19,000 |      |       |        | 150 |
| 155 | 40.9 | 259.4 | 23,500 | 47.5 | 269.6 | 20,800 | 53.3 | 275.9 | 18,000 |      |       |        | 155 |
| 160 | 38.1 | 253.2 | 22,400 | 45.0 | 264.8 | 19,700 | 51.1 | 272.0 | 17,100 |      |       |        | 160 |
| 165 | 35.0 | 246.3 | 21,300 | 42.4 | 259.5 | 18,700 | 48.7 | 267.7 | 16,200 |      |       |        | 165 |
| 168 | 32.6 | 241.7 | 20,700 | 40.2 | 255.9 | 18,200 | 46.8 | 264.9 | 15,700 | 52.9 | 270.0 | 13,100 | 168 |
| 170 | 31.8 | 238.6 | 20,300 | 39.7 | 253.6 | 17,800 | 46.3 | 263.0 | 15,300 | 52.0 | 268.4 | 12,800 | 170 |
| 172 | 29.8 | 235.1 | 19,900 | 37.8 | 251.0 | 17,500 | 44.8 | 261.0 | 15,000 | 50.2 | 266.8 | 12,500 | 172 |
| 175 | 28.1 | 229.8 | 19,400 | 36.7 | 247.1 | 16,900 | 43.7 | 258.0 | 14,600 | 49.7 | 264.3 | 12,000 | 175 |
| 177 | 26.0 | 225.6 | 19,000 | 34.8 | 244.3 | 16,600 | 42.2 | 255.7 | 14,300 | 48.2 | 262.5 | 11,700 | 177 |
| 180 | 24.0 | 219.3 | 18,500 | 33.6 | 239.9 | 16,100 | 41.0 | 252.4 | 13,800 | 47.2 | 259.8 | 11,300 | 180 |
| 185 | 19.0 | 206.3 | 17,600 | 30.2 | 231.7 | 15,400 | 38.2 | 246.2 | 13,100 | 44.7 | 254.9 | 10,600 | 185 |
| 190 | 12.1 | 187.7 | 16,800 | 26.3 | 222.2 | 14,600 | 35.1 | 239.4 | 12,400 | 42.1 | 249.5 | 10,000 | 190 |
| 193 | 3.8  | 164.8 | 16,200 | 23.0 | 215.4 | 14,200 | 32.6 | 234.8 | 12,100 | 40.2 | 246.0 | 9,600  | 193 |
| 195 |      |       |        | 21.8 | 210.8 | 13,900 | 31.9 | 231.7 | 11,800 | 39.3 | 243.6 | 9,300  | 195 |
| 200 |      |       |        | 16.2 | 195.9 | 13,200 | 28.2 | 222.9 | 11,200 | 36.4 | 237.1 | 8,700  | 200 |
| 205 |      |       |        | 6.9  | 170.4 | 12,500 | 24.1 | 212.5 | 10,600 | 33.2 | 229.7 | 8,200  | 205 |
| 206 |      |       |        | 0.7  | 153.2 | 12,300 | 23.0 | 209.9 | 10,500 | 32.2 | 228.1 | 8,100  | 206 |
| 210 |      |       |        |      |       |        | 19.1 | 199.6 | 10,100 | 29.7 | 221.4 | 7,600  | 210 |
| 215 |      |       |        |      |       |        | 12.3 | 181.3 | 9,500  | 25.8 | 211.8 | 7,100  | 215 |
| 218 |      |       |        |      |       |        | 4.6  | 160.0 | 9,100  | 22.6 | 204.7 | 6,800  | 218 |
| 220 |      |       |        |      |       |        |      |       |        | 21.3 | 200.0 | 6,600  | 220 |
| 230 |      |       |        |      |       |        |      |       |        | 4.7  | 155.0 | 5,500  | 230 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 55                                                                                   | 76.0                                                                                  | 322.6                                                                                | 50,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 74.2                                                                                  | 321.2                                                                                | 49,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 72.4                                                                                  | 319.7                                                                                | 49,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 66                                                                                   | 71.6                                                                                  | 319.4                                                                                | 48,800                                                                               | 73.9                                                                                  | 320.7                                                                                | 57,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 66                                                                                     |
| 70                                                                                   | 70.7                                                                                  | 318.0                                                                                | 48,100                                                                               | 72.5                                                                                  | 319.4                                                                                | 57,700                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 68.9                                                                                  | 316.1                                                                                | 46,800                                                                               | 70.7                                                                                  | 317.7                                                                                | 57,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 67.0                                                                                  | 314.0                                                                                | 46,500                                                                               | 68.9                                                                                  | 315.8                                                                                | 56,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 82                                                                                   | 66.2                                                                                  | 313.1                                                                                | 46,100                                                                               | 67.6                                                                                  | 315.0                                                                                | 55,600                                                                               | 71.0                                                                                    | 317.1                                                                                  | 56,300                                                                                 | 82                                                                                     |
| 85                                                                                   | 65.2                                                                                  | 311.8                                                                                | 45,600                                                                               | 67.1                                                                                  | 313.8                                                                                | 54,200                                                                               | 70.0                                                                                    | 316.1                                                                                  | 56,300                                                                                 | 85                                                                                     |
| 90                                                                                   | 63.3                                                                                  | 309.3                                                                                | 43,800                                                                               | 65.3                                                                                  | 311.5                                                                                | 51,800                                                                               | 68.1                                                                                    | 314.1                                                                                  | 53,700                                                                                 | 90                                                                                     |
| 95                                                                                   | 61.4                                                                                  | 306.7                                                                                | 41,300                                                                               | 63.4                                                                                  | 309.1                                                                                | 49,300                                                                               | 66.3                                                                                    | 312.0                                                                                  | 49,900                                                                                 | 95                                                                                     |
| 99                                                                                   | 59.4                                                                                  | 304.3                                                                                | 39,500                                                                               | 61.4                                                                                  | 307.0                                                                                | 47,400                                                                               | 64.4                                                                                    | 310.1                                                                                  | 47,300                                                                                 | 99                                                                                     |
| 100                                                                                  | 59.5                                                                                  | 303.8                                                                                | 39,100                                                                               | 61.5                                                                                  | 306.4                                                                                | 46,900                                                                               | 64.5                                                                                    | 309.6                                                                                  | 46,600                                                                                 | 100                                                                                    |
| 105                                                                                  | 57.5                                                                                  | 300.6                                                                                | 36,900                                                                               | 59.5                                                                                  | 303.5                                                                                | 44,400                                                                               | 62.6                                                                                    | 307.1                                                                                  | 43,600                                                                                 | 105                                                                                    |
| 110                                                                                  | 55.4                                                                                  | 297.3                                                                                | 34,800                                                                               | 57.6                                                                                  | 300.4                                                                                | 42,100                                                                               | 60.6                                                                                    | 304.3                                                                                  | 40,900                                                                                 | 110                                                                                    |
| 115                                                                                  | 53.4                                                                                  | 293.6                                                                                | 32,900                                                                               | 55.5                                                                                  | 297.1                                                                                | 39,800                                                                               | 58.7                                                                                    | 301.3                                                                                  | 38,400                                                                                 | 115                                                                                    |
| 120                                                                                  | 51.2                                                                                  | 289.7                                                                                | 31,100                                                                               | 53.4                                                                                  | 293.5                                                                                | 37,600                                                                               | 56.7                                                                                    | 298.1                                                                                  | 36,200                                                                                 | 120                                                                                    |
| 125                                                                                  | 49.0                                                                                  | 285.5                                                                                | 29,300                                                                               | 51.3                                                                                  | 289.5                                                                                | 35,500                                                                               | 54.6                                                                                    | 294.7                                                                                  | 34,200                                                                                 | 125                                                                                    |
| 130                                                                                  | 46.7                                                                                  | 280.9                                                                                | 27,600                                                                               | 49.1                                                                                  | 285.3                                                                                | 33,500                                                                               | 52.5                                                                                    | 290.9                                                                                  | 32,300                                                                                 | 130                                                                                    |
| 135                                                                                  | 44.3                                                                                  | 275.9                                                                                | 26,200                                                                               | 46.8                                                                                  | 280.7                                                                                | 31,700                                                                               | 50.3                                                                                    | 286.9                                                                                  | 30,600                                                                                 | 135                                                                                    |
| 140                                                                                  | 41.8                                                                                  | 270.5                                                                                | 24,800                                                                               | 44.4                                                                                  | 275.8                                                                                | 30,000                                                                               | 48.1                                                                                    | 282.5                                                                                  | 29,000                                                                                 | 140                                                                                    |
| 145                                                                                  | 39.2                                                                                  | 264.5                                                                                | 23,500                                                                               | 42.0                                                                                  | 270.4                                                                                | 28,300                                                                               | 45.8                                                                                    | 277.7                                                                                  | 27,500                                                                                 | 145                                                                                    |
| 150                                                                                  | 36.5                                                                                  | 258.0                                                                                | 22,400                                                                               | 39.3                                                                                  | 264.4                                                                                | 26,800                                                                               | 43.4                                                                                    | 272.6                                                                                  | 26,200                                                                                 | 150                                                                                    |
| 155                                                                                  | 33.5                                                                                  | 250.7                                                                                | 21,400                                                                               | 36.6                                                                                  | 257.9                                                                                | 25,500                                                                               | 40.8                                                                                    | 267.0                                                                                  | 24,900                                                                                 | 155                                                                                    |
| 160                                                                                  | 30.2                                                                                  | 242.5                                                                                | 20,500                                                                               | 33.6                                                                                  | 250.7                                                                                | 24,300                                                                               | 38.2                                                                                    | 260.8                                                                                  | 23,700                                                                                 | 160                                                                                    |
| 165                                                                                  | 26.7                                                                                  | 233.1                                                                                | 19,700                                                                               | 30.4                                                                                  | 242.6                                                                                | 23,100                                                                               | 35.3                                                                                    | 254.0                                                                                  | 22,600                                                                                 | 165                                                                                    |
| 170                                                                                  | 22.5                                                                                  | 222.0                                                                                | 19,100                                                                               | 26.8                                                                                  | 233.2                                                                                | 22,200                                                                               | 32.2                                                                                    | 246.4                                                                                  | 21,500                                                                                 | 170                                                                                    |
| 174                                                                                  | 18.0                                                                                  | 210.7                                                                                | 18,800                                                                               | 22.8                                                                                  | 224.4                                                                                | 21,500                                                                               | 28.8                                                                                    | 239.5                                                                                  | 20,700                                                                                 | 174                                                                                    |
| 175                                                                                  | 17.5                                                                                  | 207.9                                                                                | 18,700                                                                               | 22.7                                                                                  | 222.2                                                                                | 21,400                                                                               | 28.9                                                                                    | 237.8                                                                                  | 20,500                                                                                 | 175                                                                                    |
| 180                                                                                  | 10.3                                                                                  | 187.0                                                                                | 18,700                                                                               | 17.8                                                                                  | 208.3                                                                                | 20,800                                                                               | 25.1                                                                                    | 227.8                                                                                  | 19,600                                                                                 | 180                                                                                    |
| 182                                                                                  | 4.8                                                                                   | 170.9                                                                                | 17,400                                                                               | 14.2                                                                                  | 200.1                                                                                | 20,500                                                                               | 23.0                                                                                    | 222.9                                                                                  | 19,200                                                                                 | 182                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      | 10.7                                                                                  | 187.9                                                                                | 20,000                                                                               | 20.7                                                                                    | 215.7                                                                                  | 18,700                                                                                 | 185                                                                                    |
| 187                                                                                  |                                                                                       |                                                                                      |                                                                                      | 5.7                                                                                   | 173.2                                                                                | 18,300                                                                               | 18.0                                                                                    | 209.3                                                                                  | 18,300                                                                                 | 187                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 15.1                                                                                    | 199.8                                                                                  | 17,800                                                                                 | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.9                                                                                     | 170.1                                                                                  | 16,900                                                                                 | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 203                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 203                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 216                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 216                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 228                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 228                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |

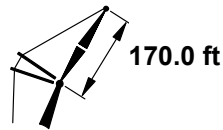
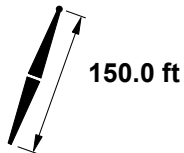


# MLC250 S-2

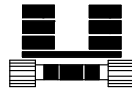
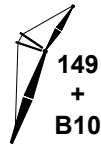
ASME B30.5



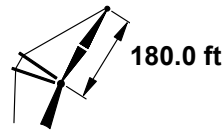
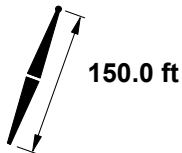
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 66  |      |       |        |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  |      |       |        |      |       |        |      |       |        |      |       |        | 82  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 99  | 67.7 | 312.3 | 44,400 |      |       |        |      |       |        |      |       |        | 99  |
| 100 | 67.3 | 311.9 | 43,800 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 65.5 | 309.6 | 40,900 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 63.6 | 307.2 | 38,400 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 61.7 | 304.6 | 36,100 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 59.8 | 301.7 | 33,900 |      |       |        |      |       |        |      |       |        | 120 |
| 125 | 57.8 | 298.6 | 32,000 | 62.7 | 303.0 | 28,400 |      |       |        |      |       |        | 125 |
| 130 | 55.8 | 295.3 | 30,200 | 60.8 | 300.3 | 26,800 |      |       |        |      |       |        | 130 |
| 135 | 53.7 | 291.7 | 28,600 | 58.9 | 297.3 | 25,300 |      |       |        |      |       |        | 135 |
| 140 | 51.5 | 287.8 | 27,100 | 56.9 | 294.1 | 23,900 |      |       |        |      |       |        | 140 |
| 145 | 49.3 | 283.6 | 25,700 | 54.8 | 290.7 | 22,700 |      |       |        |      |       |        | 145 |
| 150 | 47.1 | 279.1 | 24,400 | 52.7 | 287.0 | 21,500 | 57.8 | 291.6 | 18,600 |      |       |        | 150 |
| 155 | 44.7 | 274.2 | 23,200 | 50.6 | 283.0 | 20,400 | 55.8 | 288.3 | 17,600 |      |       |        | 155 |
| 160 | 42.2 | 268.8 | 22,000 | 48.3 | 278.6 | 19,300 | 53.7 | 284.7 | 16,600 |      |       |        | 160 |
| 165 | 39.6 | 263.0 | 21,000 | 46.0 | 273.9 | 18,300 | 51.6 | 280.8 | 15,800 |      |       |        | 165 |
| 170 | 36.9 | 256.5 | 20,000 | 43.6 | 268.8 | 17,400 | 49.4 | 276.6 | 14,900 |      |       |        | 170 |
| 174 | 33.6 | 250.8 | 19,200 | 41.4 | 264.3 | 16,700 | 47.4 | 273.0 | 14,300 | 52.9 | 278.0 | 11,500 | 174 |
| 175 | 34.0 | 249.4 | 19,000 | 41.1 | 263.2 | 16,600 | 47.1 | 272.1 | 14,200 | 52.5 | 277.2 | 11,400 | 175 |
| 180 | 30.8 | 241.4 | 18,100 | 38.4 | 257.1 | 15,800 | 44.8 | 267.2 | 13,400 | 50.3 | 273.2 | 10,700 | 180 |
| 182 | 28.8 | 237.7 | 17,800 | 36.8 | 254.4 | 15,500 | 43.2 | 265.1 | 13,100 | 49.2 | 271.4 | 10,400 | 182 |
| 185 | 27.2 | 232.2 | 17,300 | 35.6 | 250.4 | 15,000 | 42.3 | 261.9 | 12,700 | 48.1 | 268.8 | 10,000 | 185 |
| 187 | 25.4 | 227.8 | 17,000 | 33.8 | 247.4 | 14,700 | 40.8 | 259.5 | 12,500 | 46.8 | 266.9 | 9,700  | 187 |
| 190 | 23.2 | 221.4 | 16,500 | 32.5 | 242.9 | 14,300 | 39.7 | 256.0 | 12,100 | 45.7 | 264.0 | 9,300  | 190 |
| 195 | 18.4 | 207.9 | 15,700 | 29.2 | 234.3 | 13,600 | 37.0 | 249.6 | 11,400 | 43.3 | 258.9 | 8,700  | 195 |
| 200 | 11.7 | 188.7 | 15,000 | 25.5 | 224.5 | 12,900 | 34.1 | 242.5 | 10,800 | 40.8 | 253.2 | 8,200  | 200 |
| 203 | 3.7  | 165.1 | 14,500 | 22.6 | 217.4 | 12,500 | 31.6 | 237.7 | 10,400 | 38.8 | 249.5 | 7,800  | 203 |
| 205 |      |       |        | 21.2 | 212.7 | 12,300 | 30.9 | 234.5 | 10,200 | 38.1 | 247.1 | 7,600  | 205 |
| 210 |      |       |        | 15.7 | 197.3 | 11,700 | 27.4 | 225.3 | 9,600  | 35.3 | 240.3 | 7,100  | 210 |
| 215 |      |       |        | 6.7  | 170.9 | 11,000 | 23.4 | 214.6 | 9,000  | 32.2 | 232.6 | 6,600  | 215 |
| 216 |      |       |        | 0.6  | 153.1 | 10,800 | 22.0 | 211.9 | 8,900  | 31.2 | 230.9 | 6,500  | 216 |
| 220 |      |       |        |      |       |        | 18.6 | 201.2 | 8,400  | 28.8 | 224.0 | 6,100  | 220 |
| 228 |      |       |        |      |       |        | 4.5  | 160.3 | 7,500  | 21.6 | 206.3 | 5,300  | 228 |
| 230 |      |       |        |      |       |        |      |       |        | 20.6 | 201.8 | 5,100  | 230 |



184,600 lb  
+  
44,000 lb



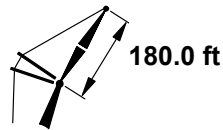
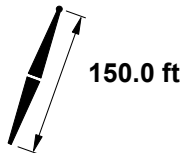
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | lb    | ft     |     |
| 58  | 75.8 | 332.2 | 46,300 |      |       |        |      |       |        | 58  |
| 60  | 75.1 | 331.6 | 46,000 |      |       |        |      |       |        | 60  |
| 65  | 73.5 | 330.2 | 45,300 |      |       |        |      |       |        | 65  |
| 69  | 71.4 | 328.9 | 44,700 | 73.9 | 330.2 | 52,900 |      |       |        | 69  |
| 70  | 71.8 | 328.6 | 44,600 | 73.5 | 329.9 | 52,800 |      |       |        | 70  |
| 75  | 70.1 | 326.8 | 43,900 | 71.9 | 328.3 | 52,500 |      |       |        | 75  |
| 80  | 68.4 | 324.9 | 42,700 | 70.2 | 326.5 | 52,200 |      |       |        | 80  |
| 85  | 66.7 | 322.8 | 42,000 | 68.5 | 324.6 | 51,400 |      |       |        | 85  |
| 86  | 65.6 | 322.3 | 41,900 | 67.6 | 324.2 | 50,900 | 70.8 | 326.3 | 51,100 | 86  |
| 90  | 64.9 | 320.5 | 41,400 | 66.7 | 322.5 | 49,300 | 69.4 | 324.9 | 51,100 | 90  |
| 95  | 63.1 | 318.0 | 39,900 | 65.0 | 320.2 | 47,200 | 67.7 | 322.8 | 49,400 | 95  |
| 100 | 61.3 | 315.3 | 37,800 | 63.2 | 317.8 | 45,100 | 66.0 | 320.7 | 46,100 | 100 |
| 102 | 60.2 | 314.2 | 37,000 | 62.2 | 316.7 | 44,200 | 64.6 | 319.7 | 44,900 | 102 |
| 105 | 59.5 | 312.4 | 35,800 | 61.4 | 315.1 | 42,900 | 64.2 | 318.3 | 43,100 | 105 |
| 110 | 57.6 | 309.3 | 33,900 | 59.6 | 312.2 | 40,900 | 62.4 | 315.7 | 40,400 | 110 |
| 115 | 55.7 | 306.0 | 32,100 | 57.7 | 309.1 | 38,700 | 60.6 | 313.0 | 38,000 | 115 |
| 120 | 53.7 | 302.4 | 30,400 | 55.8 | 305.8 | 36,700 | 58.8 | 310.0 | 35,700 | 120 |
| 125 | 51.7 | 298.5 | 28,800 | 53.8 | 302.2 | 34,800 | 56.9 | 306.8 | 33,700 | 125 |
| 129 | 49.4 | 295.2 | 27,500 | 51.4 | 299.1 | 33,300 | 54.4 | 304.0 | 32,200 | 129 |
| 130 | 49.7 | 294.4 | 27,200 | 51.8 | 298.3 | 33,000 | 54.9 | 303.4 | 31,900 | 130 |
| 135 | 47.5 | 289.9 | 25,700 | 49.8 | 294.2 | 31,200 | 53.0 | 299.7 | 30,100 | 135 |
| 140 | 45.3 | 285.1 | 24,400 | 47.6 | 289.7 | 29,600 | 50.9 | 295.7 | 28,600 | 140 |
| 145 | 43.0 | 279.8 | 23,100 | 45.4 | 284.9 | 28,100 | 48.8 | 291.4 | 27,100 | 145 |
| 150 | 40.6 | 274.2 | 22,000 | 43.1 | 279.7 | 26,600 | 46.7 | 286.8 | 25,700 | 150 |
| 155 | 38.1 | 268.0 | 21,000 | 40.7 | 274.1 | 25,200 | 44.4 | 281.8 | 24,500 | 155 |
| 160 | 35.4 | 261.2 | 20,000 | 38.2 | 267.9 | 24,000 | 42.1 | 276.4 | 23,300 | 160 |
| 165 | 32.5 | 253.6 | 19,200 | 35.5 | 261.1 | 22,800 | 39.6 | 270.6 | 22,100 | 165 |
| 170 | 29.4 | 245.1 | 18,400 | 32.6 | 253.6 | 21,800 | 37.0 | 264.2 | 21,100 | 170 |
| 175 | 25.9 | 235.4 | 17,900 | 29.5 | 245.2 | 20,900 | 34.3 | 257.1 | 20,100 | 175 |
| 180 | 21.9 | 223.9 | 17,300 | 26.0 | 235.5 | 20,000 | 31.3 | 249.2 | 19,200 | 180 |
| 185 | 17.0 | 209.4 | 17,000 | 22.1 | 224.1 | 19,400 | 28.0 | 240.3 | 18,300 | 185 |
| 190 | 10.0 | 187.8 | 16,900 | 17.2 | 209.8 | 18,800 | 24.4 | 229.9 | 17,500 | 190 |
| 192 | 4.6  | 171.3 | 15,100 | 14.2 | 201.4 | 18,300 | 22.4 | 224.9 | 17,100 | 192 |
| 195 |      |       |        | 10.4 | 188.8 | 17,600 | 20.1 | 217.4 | 16,600 | 195 |
| 197 |      |       |        | 5.5  | 173.7 | 15,900 | 17.6 | 210.9 | 16,300 | 197 |
| 200 |      |       |        |      |       |        | 14.6 | 201.0 | 15,900 | 200 |
| 205 |      |       |        |      |       |        | 4.8  | 170.4 | 15,100 | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 210 |
| 213 |      |       |        |      |       |        |      |       |        | 213 |
| 215 |      |       |        |      |       |        |      |       |        | 215 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 226 |      |       |        |      |       |        |      |       |        | 226 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 238 |      |       |        |      |       |        |      |       |        | 238 |

# MLC250 S-2

ASME B30.5



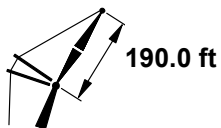
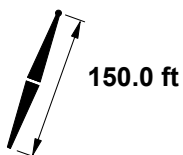
184,600 lb  
+  
44,000 lb

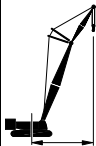
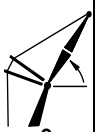
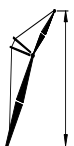
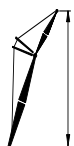
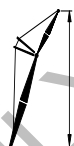
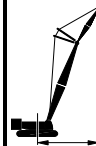


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 58  |      |       |        |      |       |        |      |       |        |      |       |       | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |       | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 86  |      |       |        |      |       |        |      |       |        |      |       |       | 86  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 102 | 68.0 | 321.9 | 42,100 |      |       |        |      |       |        |      |       |       | 102 |
| 105 | 66.9 | 320.6 | 40,400 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 65.2 | 318.3 | 37,900 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 63.4 | 315.9 | 35,500 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 61.6 | 313.2 | 33,400 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 59.8 | 310.4 | 31,500 |      |       |        |      |       |        |      |       |       | 125 |
| 129 | 57.4 | 307.9 | 30,100 | 63.0 | 312.2 | 26,500 |      |       |        |      |       |       | 129 |
| 130 | 57.9 | 307.3 | 29,700 | 62.6 | 311.7 | 26,200 |      |       |        |      |       |       | 130 |
| 135 | 56.0 | 304.0 | 28,100 | 60.8 | 309.0 | 24,700 |      |       |        |      |       |       | 135 |
| 140 | 54.0 | 300.5 | 26,600 | 58.9 | 306.0 | 23,400 |      |       |        |      |       |       | 140 |
| 145 | 52.0 | 296.6 | 25,200 | 57.0 | 302.8 | 22,100 |      |       |        |      |       |       | 145 |
| 150 | 50.0 | 292.5 | 23,900 | 55.1 | 299.4 | 20,900 |      |       |        |      |       |       | 150 |
| 155 | 47.9 | 288.1 | 22,700 | 53.1 | 295.7 | 19,800 | 58.0 | 300.3 | 17,000 |      |       |       | 155 |
| 160 | 45.7 | 283.3 | 21,600 | 51.1 | 291.8 | 18,800 | 56.1 | 297.0 | 16,100 |      |       |       | 160 |
| 165 | 43.4 | 278.2 | 20,500 | 49.0 | 287.5 | 17,800 | 54.1 | 293.4 | 15,200 |      |       |       | 165 |
| 170 | 41.0 | 272.6 | 19,500 | 46.9 | 283.0 | 16,900 | 52.1 | 289.6 | 14,400 |      |       |       | 170 |
| 175 | 38.5 | 266.5 | 18,600 | 44.6 | 278.0 | 16,100 | 50.1 | 285.5 | 13,600 |      |       |       | 175 |
| 180 | 35.8 | 259.8 | 17,700 | 42.3 | 272.7 | 15,300 | 47.9 | 281.1 | 12,800 | 52.9 | 286.0 | 9,800 | 180 |
| 185 | 33.0 | 252.4 | 16,900 | 39.9 | 266.9 | 14,500 | 45.7 | 276.3 | 12,100 | 50.9 | 282.0 | 9,100 | 185 |
| 190 | 29.9 | 244.0 | 16,100 | 37.3 | 260.5 | 13,800 | 43.4 | 271.2 | 11,400 | 48.8 | 277.7 | 8,500 | 190 |
| 192 | 27.8 | 240.2 | 15,800 | 35.8 | 257.7 | 13,500 | 42.2 | 269.0 | 11,100 | 47.2 | 275.9 | 8,300 | 192 |
| 195 | 26.5 | 234.5 | 15,300 | 34.5 | 253.5 | 13,100 | 41.1 | 265.6 | 10,700 | 46.6 | 273.1 | 7,900 | 195 |
| 197 | 24.4 | 230.0 | 15,000 | 32.8 | 250.4 | 12,800 | 39.8 | 263.2 | 10,400 | 45.2 | 271.1 | 7,700 | 197 |
| 200 | 22.6 | 223.3 | 14,600 | 31.6 | 245.7 | 12,400 | 38.6 | 259.5 | 10,100 | 44.4 | 268.1 | 7,300 | 200 |
| 205 | 17.8 | 209.4 | 13,900 | 28.4 | 236.9 | 11,800 | 35.9 | 252.8 | 9,400  | 42.0 | 262.7 | 6,800 | 205 |
| 210 | 11.4 | 189.7 | 13,200 | 24.8 | 226.7 | 11,200 | 33.1 | 245.5 | 8,800  | 39.6 | 256.9 | 6,300 | 210 |
| 213 | 3.5  | 165.3 | 12,800 | 21.6 | 219.3 | 10,900 | 30.6 | 240.5 | 8,500  | 37.2 | 253.0 | 6,000 | 213 |
| 215 |      |       |        | 20.6 | 214.5 | 10,600 | 30.0 | 237.2 | 8,300  | 37.0 | 250.4 | 5,800 | 215 |
| 220 |      |       |        | 15.3 | 198.6 | 10,100 | 26.6 | 227.7 | 7,700  | 34.2 | 243.3 | 5,300 | 220 |
| 226 |      |       |        | 0.6  | 153.0 | 9,300  | 21.2 | 212.7 | 7,100  |      |       |       | 226 |
| 230 |      |       |        |      |       |        | 18.0 | 202.8 | 6,700  |      |       |       | 230 |
| 238 |      |       |        |      |       |        | 4.3  | 160.7 | 5,800  |      |       |       | 238 |



184,600 lb  
+  
44,000 lb



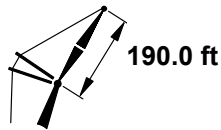
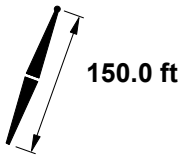
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 60                                                                                | 75.9                                                                                  | 342.0                                                                             | 42,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 74.3                                                                                  | 340.6                                                                             | 41,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 72.8                                                                                  | 339.1                                                                             | 41,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 72                                                                                | 71.6                                                                                  | 338.4                                                                             | 41,100                                                                            | 73.8                                                                                  | 339.7                                                                             | 48,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 72                                                                                  |
| 75                                                                                | 71.2                                                                                  | 337.4                                                                             | 40,700                                                                            | 72.8                                                                                  | 338.8                                                                             | 48,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 69.6                                                                                  | 335.6                                                                             | 40,100                                                                            | 71.3                                                                                  | 337.2                                                                             | 47,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 68.0                                                                                  | 333.6                                                                             | 39,500                                                                            | 69.7                                                                                  | 335.4                                                                             | 47,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 89                                                                                | 66.2                                                                                  | 331.9                                                                             | 39,000                                                                            | 68.2                                                                                  | 333.8                                                                             | 47,000                                                                            | 70.9                                                                                    | 335.9                                                                               | 46,500                                                                              | 89                                                                                  |
| 90                                                                                | 66.3                                                                                  | 331.5                                                                             | 38,900                                                                            | 68.0                                                                                  | 333.4                                                                             | 46,800                                                                            | 70.6                                                                                    | 335.5                                                                               | 46,500                                                                              | 90                                                                                  |
| 95                                                                                | 64.7                                                                                  | 329.2                                                                             | 37,900                                                                            | 66.4                                                                                  | 331.2                                                                             | 45,000                                                                            | 68.9                                                                                    | 333.6                                                                               | 46,500                                                                              | 95                                                                                  |
| 100                                                                               | 63.0                                                                                  | 326.7                                                                             | 36,500                                                                            | 64.7                                                                                  | 328.9                                                                             | 43,200                                                                            | 67.3                                                                                    | 331.6                                                                               | 45,900                                                                              | 100                                                                                 |
| 105                                                                               | 61.3                                                                                  | 324.0                                                                             | 34,700                                                                            | 63.0                                                                                  | 326.4                                                                             | 41,300                                                                            | 65.7                                                                                    | 329.4                                                                               | 42,900                                                                              | 105                                                                                 |
| 106                                                                               | 60.6                                                                                  | 323.4                                                                             | 34,400                                                                            | 62.6                                                                                  | 325.9                                                                             | 40,900                                                                            | 64.6                                                                                    | 328.9                                                                               | 42,300                                                                              | 106                                                                                 |
| 110                                                                               | 59.5                                                                                  | 321.1                                                                             | 33,000                                                                            | 61.3                                                                                  | 323.7                                                                             | 39,500                                                                            | 64.0                                                                                    | 327.0                                                                               | 40,200                                                                              | 110                                                                                 |
| 115                                                                               | 57.7                                                                                  | 318.0                                                                             | 31,300                                                                            | 59.6                                                                                  | 320.9                                                                             | 37,600                                                                            | 62.3                                                                                    | 324.4                                                                               | 37,700                                                                              | 115                                                                                 |
| 120                                                                               | 55.9                                                                                  | 314.7                                                                             | 29,600                                                                            | 57.8                                                                                  | 317.8                                                                             | 35,800                                                                            | 60.6                                                                                    | 321.6                                                                               | 35,500                                                                              | 120                                                                                 |
| 125                                                                               | 54.1                                                                                  | 311.1                                                                             | 28,100                                                                            | 56.0                                                                                  | 314.5                                                                             | 34,000                                                                            | 58.8                                                                                    | 318.7                                                                               | 33,500                                                                              | 125                                                                                 |
| 130                                                                               | 52.2                                                                                  | 307.3                                                                             | 26,800                                                                            | 54.2                                                                                  | 310.9                                                                             | 32,300                                                                            | 57.0                                                                                    | 315.5                                                                               | 31,600                                                                              | 130                                                                                 |
| 134                                                                               | 50.4                                                                                  | 304.1                                                                             | 25,600                                                                            | 52.4                                                                                  | 307.9                                                                             | 31,000                                                                            | 55.4                                                                                    | 312.8                                                                               | 30,300                                                                              | 134                                                                                 |
| 135                                                                               | 50.2                                                                                  | 303.2                                                                             | 25,400                                                                            | 52.3                                                                                  | 307.1                                                                             | 30,700                                                                            | 55.2                                                                                    | 312.1                                                                               | 29,900                                                                              | 135                                                                                 |
| 140                                                                               | 48.2                                                                                  | 298.9                                                                             | 24,100                                                                            | 50.3                                                                                  | 303.1                                                                             | 29,100                                                                            | 53.3                                                                                    | 308.4                                                                               | 28,300                                                                              | 140                                                                                 |
| 145                                                                               | 46.2                                                                                  | 294.2                                                                             | 22,800                                                                            | 48.3                                                                                  | 298.7                                                                             | 27,600                                                                            | 51.4                                                                                    | 304.5                                                                               | 26,900                                                                              | 145                                                                                 |
| 150                                                                               | 44.0                                                                                  | 289.1                                                                             | 21,700                                                                            | 46.3                                                                                  | 294.0                                                                             | 26,400                                                                            | 49.5                                                                                    | 300.3                                                                               | 25,500                                                                              | 150                                                                                 |
| 155                                                                               | 41.8                                                                                  | 283.7                                                                             | 20,600                                                                            | 44.1                                                                                  | 289.0                                                                             | 25,000                                                                            | 47.4                                                                                    | 295.8                                                                               | 24,200                                                                              | 155                                                                                 |
| 160                                                                               | 39.5                                                                                  | 277.8                                                                             | 19,700                                                                            | 41.9                                                                                  | 283.6                                                                             | 23,900                                                                            | 45.3                                                                                    | 291.0                                                                               | 23,100                                                                              | 160                                                                                 |
| 161                                                                               | 38.6                                                                                  | 276.5                                                                             | 19,500                                                                            | 40.6                                                                                  | 282.4                                                                             | 23,600                                                                            | 44.6                                                                                    | 290.0                                                                               | 22,800                                                                              | 161                                                                                 |
| 165                                                                               | 37.0                                                                                  | 271.3                                                                             | 18,800                                                                            | 39.6                                                                                  | 277.7                                                                             | 22,600                                                                            | 43.2                                                                                    | 285.8                                                                               | 21,900                                                                              | 165                                                                                 |
| 170                                                                               | 34.4                                                                                  | 264.3                                                                             | 18,000                                                                            | 37.1                                                                                  | 271.3                                                                             | 21,600                                                                            | 40.9                                                                                    | 280.2                                                                               | 20,900                                                                              | 170                                                                                 |
| 175                                                                               | 31.6                                                                                  | 256.5                                                                             | 17,300                                                                            | 34.5                                                                                  | 264.3                                                                             | 20,500                                                                            | 38.5                                                                                    | 274.1                                                                               | 19,900                                                                              | 175                                                                                 |
| 180                                                                               | 28.6                                                                                  | 247.7                                                                             | 16,700                                                                            | 31.7                                                                                  | 256.5                                                                             | 19,700                                                                            | 36.0                                                                                    | 267.4                                                                               | 19,000                                                                              | 180                                                                                 |
| 185                                                                               | 25.2                                                                                  | 237.6                                                                             | 16,200                                                                            | 28.7                                                                                  | 247.7                                                                             | 18,900                                                                            | 33.3                                                                                    | 260.1                                                                               | 18,100                                                                              | 185                                                                                 |
| 186                                                                               | 24.2                                                                                  | 235.3                                                                             | 16,100                                                                            | 27.4                                                                                  | 245.7                                                                             | 18,800                                                                            | 32.4                                                                                    | 258.4                                                                               | 17,900                                                                              | 186                                                                                 |
| 190                                                                               | 21.3                                                                                  | 225.8                                                                             | 15,800                                                                            | 25.3                                                                                  | 237.8                                                                             | 18,200                                                                            | 30.4                                                                                    | 251.9                                                                               | 17,300                                                                              | 190                                                                                 |
| 195                                                                               | 16.5                                                                                  | 210.8                                                                             | 15,500                                                                            | 21.5                                                                                  | 226.0                                                                             | 17,700                                                                            | 27.3                                                                                    | 242.7                                                                               | 16,500                                                                              | 195                                                                                 |
| 200                                                                               | 9.7                                                                                   | 188.7                                                                             | 14,900                                                                            | 16.8                                                                                  | 211.2                                                                             | 17,000                                                                            | 23.7                                                                                    | 232.0                                                                               | 15,700                                                                              | 200                                                                                 |
| 202                                                                               | 4.5                                                                                   | 171.6                                                                             | 13,200                                                                            | 12.9                                                                                  | 200.6                                                                             | 16,200                                                                            | 21.2                                                                                    | 226.1                                                                               | 15,400                                                                              | 202                                                                                 |
| 207                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.4                                                                                   | 174.1                                                                             | 14,000                                                                            | 16.7                                                                                    | 211.2                                                                               | 14,700                                                                              | 207                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 14.2                                                                                    | 202.3                                                                               | 14,300                                                                              | 210                                                                                 |
| 215                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.6                                                                                     | 170.8                                                                               | 13,600                                                                              | 215                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 223                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 223                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 236                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 236                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |

# MLC250 S-2

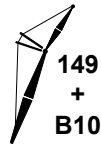
ASME B30.5



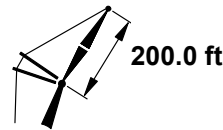
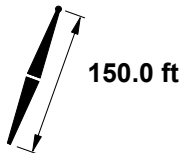
184,600 lb  
+  
44,000 lb

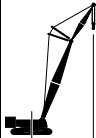
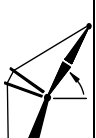
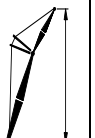
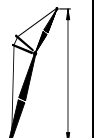
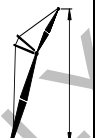
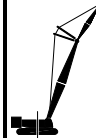


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |       | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 89  |      |       |        |      |       |        |      |       |        |      |       |       | 89  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |        |      |       |       | 105 |
| 106 | 67.9 | 331.0 | 39,700 |      |       |        |      |       |        |      |       |       | 106 |
| 110 | 66.6 | 329.3 | 37,600 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 64.9 | 327.0 | 35,300 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 63.2 | 324.6 | 33,200 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 61.5 | 321.9 | 31,300 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 59.8 | 319.1 | 29,500 |      |       |        |      |       |        |      |       |       | 130 |
| 134 | 58.2 | 316.6 | 28,200 | 62.8 | 320.9 | 24,800 |      |       |        |      |       |       | 134 |
| 135 | 58.0 | 316.0 | 27,900 | 62.5 | 320.4 | 24,500 |      |       |        |      |       |       | 135 |
| 140 | 56.2 | 312.7 | 26,400 | 60.7 | 317.6 | 23,100 |      |       |        |      |       |       | 140 |
| 145 | 54.4 | 309.2 | 25,000 | 59.0 | 314.7 | 21,900 |      |       |        |      |       |       | 145 |
| 150 | 52.5 | 305.4 | 23,700 | 57.2 | 311.5 | 20,700 |      |       |        |      |       |       | 150 |
| 155 | 50.6 | 301.4 | 22,500 | 55.4 | 308.1 | 19,600 |      |       |        |      |       |       | 155 |
| 160 | 48.6 | 297.1 | 21,400 | 53.5 | 304.5 | 18,600 |      |       |        |      |       |       | 160 |
| 161 | 47.6 | 296.1 | 21,200 | 52.6 | 303.7 | 18,400 | 57.7 | 308.3 | 15,700 |      |       |       | 161 |
| 165 | 46.5 | 292.4 | 20,300 | 51.6 | 300.6 | 17,600 | 56.3 | 305.7 | 15,000 |      |       |       | 165 |
| 170 | 44.4 | 287.4 | 19,300 | 49.7 | 296.5 | 16,700 | 54.4 | 302.2 | 14,100 |      |       |       | 170 |
| 175 | 42.2 | 282.1 | 18,400 | 47.6 | 292.0 | 15,800 | 52.5 | 298.4 | 13,300 |      |       |       | 175 |
| 180 | 39.8 | 276.2 | 17,500 | 45.5 | 287.2 | 15,000 | 50.6 | 294.4 | 12,500 |      |       |       | 180 |
| 185 | 37.4 | 269.9 | 16,700 | 43.4 | 282.0 | 14,300 | 48.6 | 290.1 | 11,700 |      |       |       | 185 |
| 186 | 36.4 | 268.5 | 16,500 | 42.6 | 280.9 | 14,100 | 47.6 | 289.1 | 11,600 | 52.9 | 294.0 | 8,700 | 186 |
| 190 | 34.8 | 262.9 | 15,900 | 41.1 | 276.4 | 13,600 | 46.6 | 285.4 | 11,000 | 51.4 | 290.8 | 8,200 | 190 |
| 195 | 32.0 | 255.2 | 15,100 | 38.7 | 270.4 | 12,900 | 44.4 | 280.5 | 10,400 | 49.4 | 286.7 | 7,600 | 195 |
| 200 | 29.0 | 246.6 | 14,400 | 36.2 | 263.8 | 12,200 | 42.2 | 275.1 | 9,700  | 47.4 | 282.2 | 7,000 | 200 |
| 202 | 27.4 | 242.4 | 14,200 | 34.8 | 260.7 | 12,000 | 41.0 | 272.7 | 9,500  | 46.2 | 280.1 | 6,800 | 202 |
| 207 | 23.4 | 231.7 | 13,500 | 31.8 | 253.0 | 11,400 | 38.5 | 266.6 | 8,900  | 44.2 | 275.1 | 6,300 | 207 |
| 210 | 21.9 | 225.3 | 13,100 | 30.7 | 248.4 | 11,000 | 37.5 | 262.9 | 8,500  | 43.1 | 272.1 | 5,900 | 210 |
| 215 | 17.4 | 211.0 | 12,500 | 27.6 | 239.3 | 10,500 | 34.9 | 256.0 | 8,000  | 40.9 | 266.5 | 5,400 | 215 |
| 220 | 11.0 | 190.6 | 11,800 | 24.1 | 228.8 | 9,900  | 32.1 | 248.3 | 7,400  |      |       |       | 220 |
| 223 | 3.4  | 165.6 | 11,400 | 21.0 | 220.1 | 9,600  | 29.9 | 242.8 | 7,100  |      |       |       | 223 |
| 230 |      |       |        | 14.8 | 199.9 | 8,800  | 25.8 | 230.0 | 6,400  |      |       |       | 230 |
| 236 |      |       |        | 0.5  | 153.0 | 8,100  | 20.2 | 214.6 | 5,900  |      |       |       | 236 |
| 240 |      |       |        |      |       |        | 17.5 | 204.3 | 5,500  |      |       |       | 240 |



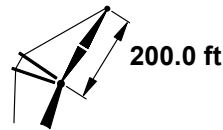
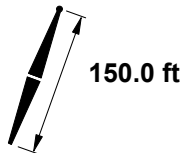
184,600 lb  
+  
44,000 lb

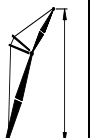
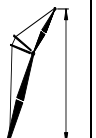
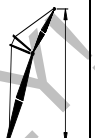


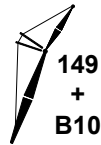
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 62                                                                                | 76.0                                                                                  | 351.8                                                                             | 38,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 62                                                                                  |
| 65                                                                                | 75.2                                                                                  | 351.0                                                                             | 38,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.7                                                                                  | 349.6                                                                             | 38,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 74                                                                                | 72.2                                                                                  | 348.3                                                                             | 37,800                                                                            | 74.0                                                                                  | 349.6                                                                             | 44,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 74                                                                                  |
| 75                                                                                | 72.2                                                                                  | 348.0                                                                             | 37,700                                                                            | 73.7                                                                                  | 349.3                                                                             | 44,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.6                                                                                  | 346.3                                                                             | 37,100                                                                            | 72.2                                                                                  | 347.7                                                                             | 43,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.1                                                                                  | 344.4                                                                             | 36,600                                                                            | 70.7                                                                                  | 346.0                                                                             | 43,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 67.6                                                                                  | 342.4                                                                             | 36,100                                                                            | 69.2                                                                                  | 344.1                                                                             | 43,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 92                                                                                | 66.6                                                                                  | 341.5                                                                             | 35,800                                                                            | 68.2                                                                                  | 343.3                                                                             | 43,000                                                                            | 71.0                                                                                    | 345.4                                                                               | 42,200                                                                              | 92                                                                                  |
| 95                                                                                | 66.0                                                                                  | 340.2                                                                             | 35,500                                                                            | 67.6                                                                                  | 342.1                                                                             | 42,700                                                                            | 70.0                                                                                    | 344.3                                                                               | 42,200                                                                              | 95                                                                                  |
| 100                                                                               | 64.4                                                                                  | 337.9                                                                             | 35,000                                                                            | 66.1                                                                                  | 340.0                                                                             | 41,100                                                                            | 68.5                                                                                    | 342.4                                                                               | 42,100                                                                              | 100                                                                                 |
| 105                                                                               | 62.8                                                                                  | 335.3                                                                             | 33,400                                                                            | 64.5                                                                                  | 337.6                                                                             | 39,600                                                                            | 67.0                                                                                    | 340.3                                                                               | 42,000                                                                              | 105                                                                                 |
| 110                                                                               | 61.2                                                                                  | 332.6                                                                             | 31,800                                                                            | 62.9                                                                                  | 335.1                                                                             | 37,900                                                                            | 65.4                                                                                    | 338.1                                                                               | 39,700                                                                              | 110                                                                                 |
| 115                                                                               | 59.5                                                                                  | 329.7                                                                             | 30,300                                                                            | 61.3                                                                                  | 332.4                                                                             | 36,300                                                                            | 63.8                                                                                    | 335.7                                                                               | 37,300                                                                              | 115                                                                                 |
| 120                                                                               | 57.9                                                                                  | 326.7                                                                             | 28,900                                                                            | 59.6                                                                                  | 329.5                                                                             | 34,700                                                                            | 62.2                                                                                    | 333.1                                                                               | 35,100                                                                              | 120                                                                                 |
| 125                                                                               | 56.1                                                                                  | 323.4                                                                             | 27,400                                                                            | 57.9                                                                                  | 326.5                                                                             | 33,100                                                                            | 60.5                                                                                    | 330.3                                                                               | 33,000                                                                              | 125                                                                                 |
| 130                                                                               | 54.4                                                                                  | 319.9                                                                             | 26,100                                                                            | 56.2                                                                                  | 323.2                                                                             | 31,500                                                                            | 58.9                                                                                    | 327.3                                                                               | 31,200                                                                              | 130                                                                                 |
| 135                                                                               | 52.6                                                                                  | 316.1                                                                             | 24,800                                                                            | 54.5                                                                                  | 319.7                                                                             | 30,100                                                                            | 57.2                                                                                    | 324.2                                                                               | 29,500                                                                              | 135                                                                                 |
| 138                                                                               | 50.8                                                                                  | 313.7                                                                             | 24,100                                                                            | 52.8                                                                                  | 317.4                                                                             | 29,200                                                                            | 55.8                                                                                    | 322.1                                                                               | 28,500                                                                              | 138                                                                                 |
| 140                                                                               | 50.8                                                                                  | 312.1                                                                             | 23,600                                                                            | 52.7                                                                                  | 315.9                                                                             | 28,600                                                                            | 55.5                                                                                    | 320.8                                                                               | 27,900                                                                              | 140                                                                                 |
| 145                                                                               | 48.9                                                                                  | 307.8                                                                             | 22,500                                                                            | 50.8                                                                                  | 311.9                                                                             | 27,200                                                                            | 53.7                                                                                    | 317.2                                                                               | 26,400                                                                              | 145                                                                                 |
| 150                                                                               | 46.9                                                                                  | 303.2                                                                             | 21,400                                                                            | 49.0                                                                                  | 307.7                                                                             | 25,900                                                                            | 51.9                                                                                    | 313.3                                                                               | 25,100                                                                              | 150                                                                                 |
| 155                                                                               | 44.9                                                                                  | 298.3                                                                             | 20,300                                                                            | 47.0                                                                                  | 303.1                                                                             | 24,600                                                                            | 50.0                                                                                    | 309.2                                                                               | 23,800                                                                              | 155                                                                                 |
| 160                                                                               | 42.9                                                                                  | 293.1                                                                             | 19,400                                                                            | 45.0                                                                                  | 298.2                                                                             | 23,500                                                                            | 48.1                                                                                    | 304.8                                                                               | 22,600                                                                              | 160                                                                                 |
| 165                                                                               | 40.7                                                                                  | 287.4                                                                             | 18,500                                                                            | 42.9                                                                                  | 293.0                                                                             | 22,400                                                                            | 46.2                                                                                    | 300.1                                                                               | 21,500                                                                              | 165                                                                                 |
| 166                                                                               | 39.6                                                                                  | 286.2                                                                             | 18,300                                                                            | 41.6                                                                                  | 291.8                                                                             | 22,200                                                                            | 45.6                                                                                    | 299.1                                                                               | 21,300                                                                              | 166                                                                                 |
| 170                                                                               | 38.4                                                                                  | 281.3                                                                             | 17,700                                                                            | 40.8                                                                                  | 287.3                                                                             | 21,400                                                                            | 44.1                                                                                    | 295.1                                                                               | 20,500                                                                              | 170                                                                                 |
| 175                                                                               | 36.0                                                                                  | 274.6                                                                             | 16,900                                                                            | 38.5                                                                                  | 281.2                                                                             | 20,400                                                                            | 42.0                                                                                    | 289.7                                                                               | 19,500                                                                              | 175                                                                                 |
| 180                                                                               | 33.5                                                                                  | 267.3                                                                             | 16,300                                                                            | 36.1                                                                                  | 274.6                                                                             | 19,400                                                                            | 39.8                                                                                    | 283.8                                                                               | 18,600                                                                              | 180                                                                                 |
| 185                                                                               | 30.8                                                                                  | 259.2                                                                             | 15,700                                                                            | 33.6                                                                                  | 267.3                                                                             | 18,600                                                                            | 37.5                                                                                    | 277.5                                                                               | 17,700                                                                              | 185                                                                                 |
| 190                                                                               | 27.8                                                                                  | 250.2                                                                             | 15,100                                                                            | 30.9                                                                                  | 259.2                                                                             | 17,800                                                                            | 35.0                                                                                    | 270.6                                                                               | 16,900                                                                              | 190                                                                                 |
| 195                                                                               | 24.5                                                                                  | 239.8                                                                             | 14,700                                                                            | 27.9                                                                                  | 250.2                                                                             | 17,200                                                                            | 32.4                                                                                    | 263.0                                                                               | 16,100                                                                              | 195                                                                                 |
| 200                                                                               | 20.7                                                                                  | 227.6                                                                             | 14,300                                                                            | 24.7                                                                                  | 240.0                                                                             | 16,600                                                                            | 29.6                                                                                    | 254.6                                                                               | 15,300                                                                              | 200                                                                                 |
| 205                                                                               | 16.1                                                                                  | 212.2                                                                             | 14,200                                                                            | 20.9                                                                                  | 227.8                                                                             | 15,900                                                                            | 26.6                                                                                    | 245.0                                                                               | 14,600                                                                              | 205                                                                                 |
| 210                                                                               | 9.4                                                                                   | 189.5                                                                             | 12,800                                                                            | 16.3                                                                                  | 212.7                                                                             | 15,200                                                                            | 23.1                                                                                    | 234.0                                                                               | 13,900                                                                              | 210                                                                                 |
| 212                                                                               | 4.4                                                                                   | 172.0                                                                             | 11,300                                                                            | 12.9                                                                                  | 201.8                                                                             | 14,300                                                                            | 21.0                                                                                    | 227.9                                                                               | 13,700                                                                              | 212                                                                                 |
| 217                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.2                                                                                   | 174.5                                                                             | 12,000                                                                            | 16.0                                                                                    | 212.6                                                                               | 13,000                                                                              | 217                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.9                                                                                    | 203.5                                                                               | 12,600                                                                              | 220                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.5                                                                                     | 171.2                                                                               | 12,000                                                                              | 225                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 233                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 233                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 235                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 246                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 246                                                                                 |



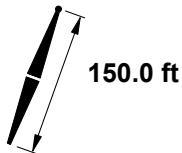
184,600 lb  
+  
44,000 lb



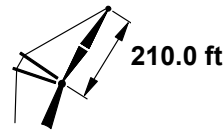
|                                                                                      |  80° |                                                                                      |                                                                                      |  75° |                                                                                      |                                                                                      |  70° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |      |  ft |  lb |      |  ft |  lb |       |  ft |  lb |  ft |
| 62                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 62                                                                                     |
| 65                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 74                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 74                                                                                     |
| 75                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 92                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 92                                                                                     |
| 95                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 100                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 100                                                                                    |
| 105                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 105                                                                                    |
| 110                                                                                  | 67.8                                                                                  | 340.2                                                                                | 37,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 110                                                                                    |
| 115                                                                                  | 66.3                                                                                  | 338.1                                                                                | 34,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 115                                                                                    |
| 120                                                                                  | 64.7                                                                                  | 335.7                                                                                | 32,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 120                                                                                    |
| 125                                                                                  | 63.1                                                                                  | 333.2                                                                                | 30,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 130                                                                                  | 61.4                                                                                  | 330.6                                                                                | 29,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  | 59.8                                                                                  | 327.7                                                                                | 27,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 138                                                                                  | 58.4                                                                                  | 325.9                                                                                | 26,500                                                                               | 63.0                                                                                  | 330.1                                                                                | 23,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 138                                                                                    |
| 140                                                                                  | 58.1                                                                                  | 324.7                                                                                | 25,900                                                                               | 62.3                                                                                  | 329.0                                                                                | 22,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  | 56.4                                                                                  | 321.4                                                                                | 24,500                                                                               | 60.7                                                                                  | 326.3                                                                                | 21,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  | 54.7                                                                                  | 317.9                                                                                | 23,200                                                                               | 59.0                                                                                  | 323.3                                                                                | 20,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  | 52.9                                                                                  | 314.2                                                                                | 22,000                                                                               | 57.3                                                                                  | 320.2                                                                                | 19,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 160                                                                                  | 51.1                                                                                  | 310.2                                                                                | 20,900                                                                               | 55.6                                                                                  | 316.8                                                                                | 18,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  | 49.2                                                                                  | 306.0                                                                                | 19,800                                                                               | 53.9                                                                                  | 313.2                                                                                | 17,100                                                                               |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 166                                                                                  | 48.6                                                                                  | 305.1                                                                                | 19,600                                                                               | 52.8                                                                                  | 312.5                                                                                | 16,900                                                                               | 57.8                                                                                    | 317.0                                                                                  | 14,000                                                                                 | 166                                                                                    |
| 170                                                                                  | 47.2                                                                                  | 301.5                                                                                | 18,800                                                                               | 52.1                                                                                  | 309.4                                                                                | 16,200                                                                               | 56.5                                                                                    | 314.4                                                                                  | 13,300                                                                                 | 170                                                                                    |
| 175                                                                                  | 45.2                                                                                  | 296.6                                                                                | 17,900                                                                               | 50.2                                                                                  | 305.3                                                                                | 15,300                                                                               | 54.7                                                                                    | 310.9                                                                                  | 12,500                                                                                 | 175                                                                                    |
| 180                                                                                  | 43.2                                                                                  | 291.4                                                                                | 17,000                                                                               | 48.3                                                                                  | 301.0                                                                                | 14,500                                                                               | 52.9                                                                                    | 307.2                                                                                  | 11,700                                                                                 | 180                                                                                    |
| 185                                                                                  | 41.0                                                                                  | 285.8                                                                                | 16,200                                                                               | 46.3                                                                                  | 296.3                                                                                | 13,800                                                                               | 51.1                                                                                    | 303.2                                                                                  | 10,900                                                                                 | 185                                                                                    |
| 190                                                                                  | 38.8                                                                                  | 279.8                                                                                | 15,400                                                                               | 44.3                                                                                  | 291.3                                                                                | 13,100                                                                               | 49.2                                                                                    | 299.0                                                                                  | 10,200                                                                                 | 190                                                                                    |
| 195                                                                                  | 36.4                                                                                  | 273.2                                                                                | 14,700                                                                               | 42.2                                                                                  | 285.9                                                                                | 12,400                                                                               | 47.3                                                                                    | 294.5                                                                                  | 9,600                                                                                  | 195                                                                                    |
| 200                                                                                  | 33.9                                                                                  | 266.0                                                                                | 14,000                                                                               | 40.0                                                                                  | 280.1                                                                                | 11,800                                                                               | 45.3                                                                                    | 289.6                                                                                  | 8,900                                                                                  | 200                                                                                    |
| 205                                                                                  | 31.2                                                                                  | 258.0                                                                                | 13,300                                                                               | 37.7                                                                                  | 273.8                                                                                | 11,100                                                                               | 43.2                                                                                    | 284.4                                                                                  | 8,300                                                                                  | 205                                                                                    |
| 210                                                                                  | 28.3                                                                                  | 249.1                                                                                | 12,700                                                                               | 35.3                                                                                  | 267.0                                                                                | 10,500                                                                               | 41.1                                                                                    | 278.8                                                                                  | 7,800                                                                                  | 210                                                                                    |
| 212                                                                                  | 26.6                                                                                  | 244.7                                                                                | 12,400                                                                               | 33.8                                                                                  | 263.8                                                                                | 10,300                                                                               | 40.0                                                                                    | 276.3                                                                                  | 7,600                                                                                  | 212                                                                                    |
| 217                                                                                  | 23.1                                                                                  | 233.7                                                                                | 11,800                                                                               | 30.8                                                                                  | 255.9                                                                                | 9,700                                                                                | 37.5                                                                                    | 270.0                                                                                  | 7,000                                                                                  | 217                                                                                    |
| 220                                                                                  | 21.4                                                                                  | 227.1                                                                                | 11,500                                                                               | 29.9                                                                                  | 251.1                                                                                | 9,300                                                                                | 36.5                                                                                    | 266.2                                                                                  | 6,700                                                                                  | 220                                                                                    |
| 225                                                                                  | 16.9                                                                                  | 212.4                                                                                | 10,900                                                                               | 26.9                                                                                  | 241.7                                                                                | 8,700                                                                                | 34.0                                                                                    | 259.1                                                                                  | 6,200                                                                                  | 225                                                                                    |
| 230                                                                                  | 10.7                                                                                  | 191.5                                                                                | 10,300                                                                               | 23.4                                                                                  | 230.9                                                                                | 8,200                                                                                | 31.3                                                                                    | 251.1                                                                                  | 5,700                                                                                  | 230                                                                                    |
| 233                                                                                  | 3.3                                                                                   | 165.9                                                                                | 9,900                                                                                | 20.6                                                                                  | 223.1                                                                                | 7,900                                                                                | 29.2                                                                                    | 245.8                                                                                  | 5,400                                                                                  | 233                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      | 19.5                                                                                  | 217.9                                                                                | 7,700                                                                                | 28.4                                                                                    | 242.3                                                                                  | 5,200                                                                                  | 235                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      | 14.4                                                                                  | 201.1                                                                                | 7,100                                                                                |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 246                                                                                  |                                                                                       |                                                                                      |                                                                                      | 0.5                                                                                   | 152.9                                                                                | 6,400                                                                                |                                                                                         |                                                                                        |                                                                                        | 246                                                                                    |



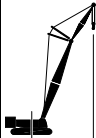
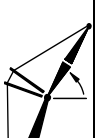
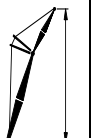
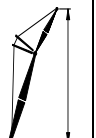
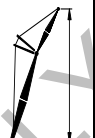
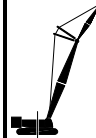
184,600 lb  
+  
44,000 lb



150.0 ft



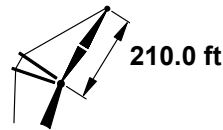
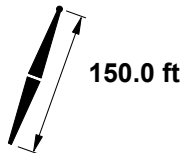
210.0 ft

|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 65                                                                                | 75.9                                                                                  | 361.3                                                                             | 35,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 74.5                                                                                  | 360.0                                                                             | 35,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 73.0                                                                                  | 358.5                                                                             | 34,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 77                                                                                | 72.2                                                                                  | 357.8                                                                             | 34,700                                                                            | 74.0                                                                                  | 359.1                                                                             | 40,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 77                                                                                  |
| 80                                                                                | 71.6                                                                                  | 356.9                                                                             | 34,400                                                                            | 73.1                                                                                  | 358.2                                                                             | 40,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 70.2                                                                                  | 355.1                                                                             | 33,900                                                                            | 71.7                                                                                  | 356.6                                                                             | 39,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 68.7                                                                                  | 353.2                                                                             | 33,500                                                                            | 70.2                                                                                  | 354.8                                                                             | 39,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 67.2                                                                                  | 351.1                                                                             | 33,000                                                                            | 68.8                                                                                  | 352.9                                                                             | 39,300                                                                            | 71.0                                                                                    | 355.0                                                                               | 38,400                                                                              | 95                                                                                  |
| 100                                                                               | 65.7                                                                                  | 348.9                                                                             | 32,600                                                                            | 67.3                                                                                  | 350.9                                                                             | 39,000                                                                            | 69.6                                                                                    | 353.1                                                                               | 38,300                                                                              | 100                                                                                 |
| 105                                                                               | 64.2                                                                                  | 346.5                                                                             | 32,100                                                                            | 65.8                                                                                  | 348.7                                                                             | 37,700                                                                            | 68.1                                                                                    | 351.2                                                                               | 38,200                                                                              | 105                                                                                 |
| 110                                                                               | 62.7                                                                                  | 344.0                                                                             | 30,700                                                                            | 64.3                                                                                  | 346.3                                                                             | 36,300                                                                            | 66.6                                                                                    | 349.1                                                                               | 38,100                                                                              | 110                                                                                 |
| 113                                                                               | 61.4                                                                                  | 342.4                                                                             | 29,900                                                                            | 62.8                                                                                  | 344.8                                                                             | 35,500                                                                            | 65.4                                                                                    | 347.7                                                                               | 37,400                                                                              | 113                                                                                 |
| 115                                                                               | 61.1                                                                                  | 341.3                                                                             | 29,400                                                                            | 62.8                                                                                  | 343.8                                                                             | 34,900                                                                            | 65.1                                                                                    | 346.8                                                                               | 36,900                                                                              | 115                                                                                 |
| 120                                                                               | 59.6                                                                                  | 338.4                                                                             | 28,000                                                                            | 61.2                                                                                  | 341.1                                                                             | 33,500                                                                            | 63.6                                                                                    | 344.3                                                                               | 34,700                                                                              | 120                                                                                 |
| 125                                                                               | 58.0                                                                                  | 335.3                                                                             | 26,700                                                                            | 59.6                                                                                  | 338.2                                                                             | 32,100                                                                            | 62.1                                                                                    | 341.7                                                                               | 32,700                                                                              | 125                                                                                 |
| 130                                                                               | 56.3                                                                                  | 332.1                                                                             | 25,500                                                                            | 58.0                                                                                  | 335.1                                                                             | 30,700                                                                            | 60.5                                                                                    | 339.0                                                                               | 30,800                                                                              | 130                                                                                 |
| 135                                                                               | 54.7                                                                                  | 328.6                                                                             | 24,200                                                                            | 56.4                                                                                  | 331.9                                                                             | 29,300                                                                            | 58.9                                                                                    | 336.0                                                                               | 29,100                                                                              | 135                                                                                 |
| 140                                                                               | 53.0                                                                                  | 324.9                                                                             | 23,100                                                                            | 54.7                                                                                  | 328.4                                                                             | 27,900                                                                            | 57.3                                                                                    | 332.8                                                                               | 27,500                                                                              | 140                                                                                 |
| 143                                                                               | 51.4                                                                                  | 322.5                                                                             | 22,500                                                                            | 53.4                                                                                  | 326.2                                                                             | 27,200                                                                            | 55.8                                                                                    | 330.8                                                                               | 26,600                                                                              | 143                                                                                 |
| 145                                                                               | 51.2                                                                                  | 320.9                                                                             | 22,100                                                                            | 53.0                                                                                  | 324.7                                                                             | 26,700                                                                            | 55.7                                                                                    | 329.5                                                                               | 26,100                                                                              | 145                                                                                 |
| 150                                                                               | 49.5                                                                                  | 316.7                                                                             | 21,000                                                                            | 51.3                                                                                  | 320.8                                                                             | 25,500                                                                            | 54.0                                                                                    | 325.9                                                                               | 24,700                                                                              | 150                                                                                 |
| 155                                                                               | 47.6                                                                                  | 312.3                                                                             | 20,100                                                                            | 49.5                                                                                  | 316.6                                                                             | 24,300                                                                            | 52.3                                                                                    | 322.1                                                                               | 23,400                                                                              | 155                                                                                 |
| 160                                                                               | 45.7                                                                                  | 307.5                                                                             | 19,100                                                                            | 47.7                                                                                  | 312.1                                                                             | 23,100                                                                            | 50.5                                                                                    | 318.1                                                                               | 22,300                                                                              | 160                                                                                 |
| 165                                                                               | 43.8                                                                                  | 302.4                                                                             | 18,200                                                                            | 45.8                                                                                  | 307.4                                                                             | 22,100                                                                            | 48.7                                                                                    | 313.8                                                                               | 21,100                                                                              | 165                                                                                 |
| 170                                                                               | 41.8                                                                                  | 296.9                                                                             | 17,400                                                                            | 43.9                                                                                  | 302.3                                                                             | 21,100                                                                            | 46.9                                                                                    | 309.2                                                                               | 20,100                                                                              | 170                                                                                 |
| 171                                                                               | 40.6                                                                                  | 295.7                                                                             | 17,300                                                                            | 42.6                                                                                  | 301.2                                                                             | 21,000                                                                            | 45.6                                                                                    | 308.2                                                                               | 19,900                                                                              | 171                                                                                 |
| 175                                                                               | 39.7                                                                                  | 291.0                                                                             | 16,600                                                                            | 41.9                                                                                  | 296.8                                                                             | 20,200                                                                            | 45.0                                                                                    | 304.3                                                                               | 19,100                                                                              | 175                                                                                 |
| 180                                                                               | 37.4                                                                                  | 284.7                                                                             | 15,900                                                                            | 39.8                                                                                  | 290.9                                                                             | 19,200                                                                            | 43.0                                                                                    | 299.0                                                                               | 18,200                                                                              | 180                                                                                 |
| 185                                                                               | 35.1                                                                                  | 277.8                                                                             | 15,300                                                                            | 37.5                                                                                  | 284.6                                                                             | 18,400                                                                            | 40.9                                                                                    | 293.4                                                                               | 17,300                                                                              | 185                                                                                 |
| 190                                                                               | 32.7                                                                                  | 270.2                                                                             | 14,800                                                                            | 35.2                                                                                  | 277.7                                                                             | 17,600                                                                            | 38.8                                                                                    | 287.4                                                                               | 16,500                                                                              | 190                                                                                 |
| 195                                                                               | 30.0                                                                                  | 261.9                                                                             | 14,300                                                                            | 32.8                                                                                  | 270.2                                                                             | 16,900                                                                            | 36.5                                                                                    | 280.8                                                                               | 15,700                                                                              | 195                                                                                 |
| 200                                                                               | 27.1                                                                                  | 252.6                                                                             | 13,800                                                                            | 30.1                                                                                  | 261.9                                                                             | 16,300                                                                            | 34.2                                                                                    | 273.7                                                                               | 15,000                                                                              | 200                                                                                 |
| 205                                                                               | 23.9                                                                                  | 241.9                                                                             | 13,400                                                                            | 27.3                                                                                  | 252.7                                                                             | 15,600                                                                            | 31.6                                                                                    | 265.8                                                                               | 14,300                                                                              | 205                                                                                 |
| 210                                                                               | 20.2                                                                                  | 229.4                                                                             | 13,200                                                                            | 24.1                                                                                  | 242.1                                                                             | 14,900                                                                            | 28.9                                                                                    | 257.1                                                                               | 13,600                                                                              | 210                                                                                 |
| 215                                                                               | 15.7                                                                                  | 213.6                                                                             | 13,000                                                                            | 20.4                                                                                  | 229.6                                                                             | 14,200                                                                            | 25.9                                                                                    | 247.3                                                                               | 13,000                                                                              | 215                                                                                 |
| 220                                                                               | 9.2                                                                                   | 190.2                                                                             | 11,000                                                                            | 15.9                                                                                  | 214.1                                                                             | 13,600                                                                            | 22.5                                                                                    | 236.0                                                                               | 12,400                                                                              | 220                                                                                 |
| 222                                                                               | 4.3                                                                                   | 172.3                                                                             | 9,600                                                                             | 12.1                                                                                  | 202.9                                                                             | 12,600                                                                            | 20.2                                                                                    | 229.7                                                                               | 12,100                                                                              | 222                                                                                 |
| 227                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.1                                                                                   | 174.9                                                                             | 10,200                                                                            | 15.7                                                                                    | 214.0                                                                               | 11,500                                                                              | 227                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.5                                                                                    | 204.6                                                                               | 11,200                                                                              | 230                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.4                                                                                     | 171.5                                                                               | 10,600                                                                              | 235                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 243                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 243                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 255                                                                                 |

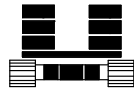




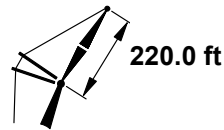
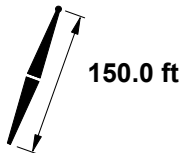
184,600 lb  
+  
44,000 lb

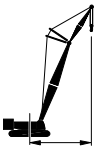
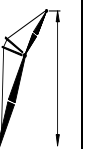
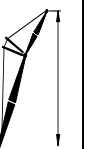
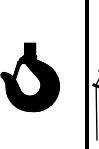
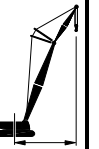


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 77  |      |       |        |      |       |        |      |       |        | 77  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 113 | 68.0 | 349.8 | 35,300 |      |       |        |      |       |        | 113 |
| 115 | 67.5 | 349.0 | 34,400 |      |       |        |      |       |        | 115 |
| 120 | 66.0 | 346.8 | 32,300 |      |       |        |      |       |        | 120 |
| 125 | 64.5 | 344.4 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 62.9 | 341.9 | 28,600 |      |       |        |      |       |        | 130 |
| 135 | 61.4 | 339.2 | 27,000 |      |       |        |      |       |        | 135 |
| 140 | 59.8 | 336.4 | 25,500 |      |       |        |      |       |        | 140 |
| 143 | 58.4 | 334.5 | 24,700 | 62.8 | 338.8 | 21,400 |      |       |        | 143 |
| 145 | 58.2 | 333.3 | 24,100 | 62.2 | 337.7 | 20,900 |      |       |        | 145 |
| 150 | 56.6 | 330.1 | 22,800 | 60.7 | 334.9 | 19,700 |      |       |        | 150 |
| 155 | 54.9 | 326.6 | 21,600 | 59.1 | 332.0 | 18,600 |      |       |        | 155 |
| 160 | 53.2 | 323.0 | 20,500 | 57.5 | 328.9 | 17,600 |      |       |        | 160 |
| 165 | 51.5 | 319.1 | 19,500 | 55.8 | 325.5 | 16,700 |      |       |        | 165 |
| 170 | 49.7 | 314.9 | 18,500 | 54.2 | 322.0 | 15,800 |      |       |        | 170 |
| 171 | 48.6 | 314.0 | 18,300 | 53.6 | 321.2 | 15,600 | 57.9 | 325.6 | 12,500 | 171 |
| 175 | 47.9 | 310.5 | 17,500 | 52.5 | 318.2 | 14,900 | 56.6 | 323.0 | 11,800 | 175 |
| 180 | 46.0 | 305.8 | 16,700 | 50.7 | 314.2 | 14,100 | 55.0 | 319.6 | 11,100 | 180 |
| 185 | 44.1 | 300.7 | 15,800 | 48.9 | 309.9 | 13,400 | 53.3 | 315.9 | 10,300 | 185 |
| 190 | 42.1 | 295.3 | 15,100 | 47.1 | 305.3 | 12,700 | 51.6 | 312.0 | 9,600  | 190 |
| 195 | 40.0 | 289.5 | 14,300 | 45.2 | 300.5 | 11,900 | 49.8 | 307.9 | 9,000  | 195 |
| 200 | 37.8 | 283.2 | 13,600 | 43.2 | 295.3 | 11,200 | 48.0 | 303.5 | 8,300  | 200 |
| 205 | 35.5 | 276.4 | 13,000 | 41.1 | 289.7 | 10,600 | 46.1 | 298.8 | 7,700  | 205 |
| 210 | 33.0 | 268.9 | 12,300 | 39.0 | 283.7 | 9,900  | 44.2 | 293.7 | 7,200  | 210 |
| 215 | 30.4 | 260.7 | 11,700 | 36.8 | 277.2 | 9,300  | 42.1 | 288.3 | 6,600  | 215 |
| 220 | 27.6 | 251.6 | 11,100 | 34.4 | 270.1 | 8,800  | 40.1 | 282.5 | 6,100  | 220 |
| 222 | 25.6 | 247.1 | 10,900 | 33.0 | 266.8 | 8,500  | 39.0 | 279.9 | 5,900  | 222 |
| 227 | 22.1 | 235.8 | 10,400 | 30.5 | 258.6 | 8,000  | 36.5 | 273.4 | 5,400  | 227 |
| 230 | 20.8 | 229.0 | 10,000 | 29.2 | 253.7 | 7,700  | 35.6 | 269.5 | 5,200  | 230 |
| 235 | 16.5 | 213.9 | 9,500  | 26.2 | 244.0 | 7,100  |      |       |        | 235 |
| 240 | 10.5 | 192.4 | 9,000  | 22.9 | 232.9 | 6,600  |      |       |        | 240 |
| 243 | 3.2  | 166.1 | 8,600  | 19.6 | 223.7 | 6,400  |      |       |        | 243 |
| 250 |      |       |        | 14.1 | 202.3 | 5,700  |      |       |        | 250 |
| 255 |      |       |        | 6.0  | 173.0 | 5,200  |      |       |        | 255 |



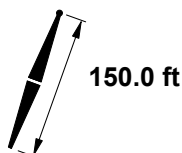
184,600 lb  
+  
44,000 lb



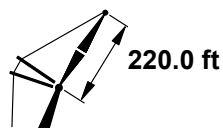
|     | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                 |                                                                                     |                                                                                     |     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----|
|     |  |  |  |  |  |  |  |  |  |     |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                  | ft                                                                                  | ft                                                                                  |     |
| 67  | 76.0                                                                              | 371.2                                                                             | 32,500                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 67  |
| 70  | 75.2                                                                              | 370.4                                                                             | 32,300                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 70  |
| 75  | 73.8                                                                              | 369.0                                                                             | 32,000                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 75  |
| 80  | 72.5                                                                              | 367.4                                                                             | 31,800                                                                            | 73.9                                                                              | 368.7                                                                             | 36,600                                                                            |                                                                                     |                                                                                     |                                                                                     | 80  |
| 85  | 71.1                                                                              | 365.7                                                                             | 31,400                                                                            | 72.5                                                                              | 367.1                                                                             | 36,300                                                                            |                                                                                     |                                                                                     |                                                                                     | 85  |
| 90  | 69.7                                                                              | 363.9                                                                             | 31,000                                                                            | 71.2                                                                              | 365.5                                                                             | 36,100                                                                            |                                                                                     |                                                                                     |                                                                                     | 90  |
| 95  | 68.3                                                                              | 362.0                                                                             | 30,600                                                                            | 69.8                                                                              | 363.6                                                                             | 35,800                                                                            |                                                                                     |                                                                                     |                                                                                     | 95  |
| 99  | 66.4                                                                              | 360.3                                                                             | 30,200                                                                            | 68.2                                                                              | 362.1                                                                             | 35,600                                                                            | 70.8                                                                                | 364.2                                                                               | 34,800                                                                              | 99  |
| 100 | 66.9                                                                              | 359.9                                                                             | 30,100                                                                            | 68.4                                                                              | 361.7                                                                             | 35,500                                                                            | 70.6                                                                                | 363.8                                                                               | 34,800                                                                              | 100 |
| 105 | 65.5                                                                              | 357.6                                                                             | 29,800                                                                            | 67.0                                                                              | 359.6                                                                             | 35,300                                                                            | 69.2                                                                                | 361.9                                                                               | 34,600                                                                              | 105 |
| 110 | 64.0                                                                              | 355.2                                                                             | 29,400                                                                            | 65.5                                                                              | 357.4                                                                             | 34,500                                                                            | 67.8                                                                                | 359.9                                                                               | 34,500                                                                              | 110 |
| 115 | 62.6                                                                              | 352.7                                                                             | 28,300                                                                            | 64.1                                                                              | 355.0                                                                             | 33,300                                                                            | 66.3                                                                                | 357.8                                                                               | 34,400                                                                              | 115 |
| 117 | 61.6                                                                              | 351.6                                                                             | 27,800                                                                            | 63.2                                                                              | 354.0                                                                             | 32,800                                                                            | 65.2                                                                                | 356.9                                                                               | 34,300                                                                              | 117 |
| 120 | 61.1                                                                              | 350.0                                                                             | 27,000                                                                            | 62.6                                                                              | 352.4                                                                             | 32,100                                                                            | 64.9                                                                                | 355.5                                                                               | 34,200                                                                              | 120 |
| 125 | 59.6                                                                              | 347.1                                                                             | 25,800                                                                            | 61.2                                                                              | 349.7                                                                             | 30,800                                                                            | 63.5                                                                                | 353.0                                                                               | 32,200                                                                              | 125 |
| 130 | 58.1                                                                              | 344.0                                                                             | 24,700                                                                            | 59.7                                                                              | 346.9                                                                             | 29,600                                                                            | 62.0                                                                                | 350.4                                                                               | 30,300                                                                              | 130 |
| 135 | 56.5                                                                              | 340.8                                                                             | 23,600                                                                            | 58.1                                                                              | 343.8                                                                             | 28,400                                                                            | 60.5                                                                                | 347.6                                                                               | 28,600                                                                              | 135 |
| 140 | 54.9                                                                              | 337.3                                                                             | 22,500                                                                            | 56.6                                                                              | 340.5                                                                             | 27,200                                                                            | 59.0                                                                                | 344.7                                                                               | 27,100                                                                              | 140 |
| 145 | 53.3                                                                              | 333.6                                                                             | 21,500                                                                            | 55.0                                                                              | 337.1                                                                             | 26,000                                                                            | 57.4                                                                                | 341.5                                                                               | 25,600                                                                              | 145 |
| 147 | 52.2                                                                              | 332.1                                                                             | 21,100                                                                            | 53.6                                                                              | 335.6                                                                             | 25,600                                                                            | 56.2                                                                                | 340.2                                                                               | 25,100                                                                              | 147 |
| 150 | 51.7                                                                              | 329.7                                                                             | 20,500                                                                            | 53.4                                                                              | 333.5                                                                             | 24,900                                                                            | 55.9                                                                                | 338.2                                                                               | 24,200                                                                              | 150 |
| 155 | 50.0                                                                              | 325.6                                                                             | 19,600                                                                            | 51.7                                                                              | 329.6                                                                             | 23,800                                                                            | 54.3                                                                                | 334.7                                                                               | 23,000                                                                              | 155 |
| 160 | 48.2                                                                              | 321.2                                                                             | 18,800                                                                            | 50.0                                                                              | 325.5                                                                             | 22,800                                                                            | 52.7                                                                                | 330.9                                                                               | 21,800                                                                              | 160 |
| 165 | 46.5                                                                              | 316.6                                                                             | 18,000                                                                            | 48.3                                                                              | 321.1                                                                             | 21,700                                                                            | 51.0                                                                                | 326.9                                                                               | 20,700                                                                              | 165 |
| 170 | 44.6                                                                              | 311.6                                                                             | 17,200                                                                            | 46.5                                                                              | 316.4                                                                             | 20,800                                                                            | 49.3                                                                                | 322.7                                                                               | 19,700                                                                              | 170 |
| 175 | 42.7                                                                              | 306.3                                                                             | 16,400                                                                            | 44.7                                                                              | 311.5                                                                             | 19,900                                                                            | 47.5                                                                                | 318.2                                                                               | 18,700                                                                              | 175 |
| 176 | 41.6                                                                              | 305.2                                                                             | 16,200                                                                            | 43.6                                                                              | 310.4                                                                             | 19,700                                                                            | 46.6                                                                                | 317.3                                                                               | 18,500                                                                              | 176 |
| 180 | 40.8                                                                              | 300.6                                                                             | 15,700                                                                            | 42.8                                                                              | 306.2                                                                             | 19,100                                                                            | 45.7                                                                                | 313.4                                                                               | 17,800                                                                              | 180 |
| 185 | 38.7                                                                              | 294.5                                                                             | 15,000                                                                            | 40.8                                                                              | 300.5                                                                             | 18,300                                                                            | 43.9                                                                                | 308.3                                                                               | 16,900                                                                              | 185 |
| 190 | 36.5                                                                              | 288.0                                                                             | 14,400                                                                            | 38.8                                                                              | 294.5                                                                             | 17,500                                                                            | 42.0                                                                                | 302.9                                                                               | 16,100                                                                              | 190 |
| 195 | 34.3                                                                              | 280.9                                                                             | 13,900                                                                            | 36.6                                                                              | 287.9                                                                             | 16,700                                                                            | 40.0                                                                                | 297.1                                                                               | 15,300                                                                              | 195 |
| 200 | 31.9                                                                              | 273.1                                                                             | 13,400                                                                            | 34.4                                                                              | 280.8                                                                             | 16,000                                                                            | 37.9                                                                                | 290.8                                                                               | 14,600                                                                              | 200 |
| 205 | 29.3                                                                              | 264.5                                                                             | 13,000                                                                            | 32.0                                                                              | 273.1                                                                             | 15,200                                                                            | 35.7                                                                                | 284.0                                                                               | 13,900                                                                              | 205 |
| 210 | 26.5                                                                              | 254.9                                                                             | 12,600                                                                            | 29.4                                                                              | 264.6                                                                             | 14,500                                                                            | 33.4                                                                                | 276.7                                                                               | 13,200                                                                              | 210 |
| 215 | 23.3                                                                              | 244.0                                                                             | 12,300                                                                            | 26.6                                                                              | 255.0                                                                             | 13,800                                                                            | 30.9                                                                                | 268.6                                                                               | 12,600                                                                              | 215 |
| 220 | 19.7                                                                              | 231.1                                                                             | 11,900                                                                            | 23.5                                                                              | 244.1                                                                             | 13,200                                                                            | 28.2                                                                                | 259.6                                                                               | 11,900                                                                              | 220 |
| 225 | 15.3                                                                              | 214.9                                                                             | 11,000                                                                            | 19.9                                                                              | 231.4                                                                             | 12,300                                                                            | 25.3                                                                                | 249.6                                                                               | 11,400                                                                              | 225 |
| 230 | 9.0                                                                               | 191.0                                                                             | 9,200                                                                             | 15.6                                                                              | 215.4                                                                             | 11,200                                                                            | 22.0                                                                                | 238.0                                                                               | 10,800                                                                              | 230 |
| 232 | 4.2                                                                               | 172.7                                                                             | 7,800                                                                             | 11.9                                                                              | 204.0                                                                             | 10,500                                                                            | 19.4                                                                                | 231.5                                                                               | 10,600                                                                              | 232 |
| 237 |                                                                                   |                                                                                   |                                                                                   | 5.0                                                                               | 175.3                                                                             | 8,500                                                                             | 15.4                                                                                | 215.4                                                                               | 10,000                                                                              | 237 |
| 240 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 13.2                                                                                | 205.8                                                                               | 9,700                                                                               | 240 |
| 245 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.3                                                                                 | 171.9                                                                               | 8,900                                                                               | 245 |
| 250 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 250 |
| 253 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     | 253 |



184,600 lb  
+  
44,000 lb

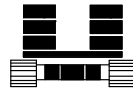
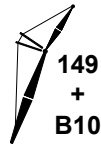


150.0 ft

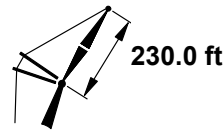
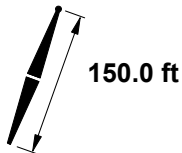


220.0 ft

|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 67  |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 99  |      |       |        |      |       |        |      |       |        | 99  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        |      |       |        | 115 |
| 117 | 68.0 | 359.0 | 33,000 |      |       |        |      |       |        | 117 |
| 120 | 67.1 | 357.7 | 31,800 |      |       |        |      |       |        | 120 |
| 125 | 65.7 | 355.5 | 29,900 |      |       |        |      |       |        | 125 |
| 130 | 64.3 | 353.1 | 28,100 |      |       |        |      |       |        | 130 |
| 135 | 62.8 | 350.6 | 26,500 |      |       |        |      |       |        | 135 |
| 140 | 61.3 | 347.9 | 25,000 |      |       |        |      |       |        | 140 |
| 145 | 59.8 | 345.0 | 23,600 |      |       |        |      |       |        | 145 |
| 147 | 58.6 | 343.8 | 23,100 | 63.0 | 347.9 | 19,900 |      |       |        | 147 |
| 150 | 58.3 | 342.0 | 22,300 | 62.1 | 346.4 | 19,200 |      |       |        | 150 |
| 155 | 56.7 | 338.8 | 21,100 | 60.6 | 343.6 | 18,100 |      |       |        | 155 |
| 160 | 55.2 | 335.3 | 20,000 | 59.1 | 340.7 | 17,100 |      |       |        | 160 |
| 165 | 53.6 | 331.7 | 19,000 | 57.6 | 337.5 | 16,100 |      |       |        | 165 |
| 170 | 51.9 | 327.9 | 18,000 | 56.0 | 334.2 | 15,200 |      |       |        | 170 |
| 175 | 50.2 | 323.8 | 17,100 | 54.4 | 330.7 | 14,400 |      |       |        | 175 |
| 176 | 49.6 | 322.9 | 16,900 | 53.6 | 330.0 | 14,200 | 58.0 | 334.3 | 10,800 | 176 |
| 180 | 48.5 | 319.4 | 16,200 | 52.8 | 327.0 | 13,500 | 56.8 | 331.7 | 10,200 | 180 |
| 185 | 46.7 | 314.8 | 15,400 | 51.2 | 323.0 | 12,700 | 55.2 | 328.3 | 9,500  | 185 |
| 190 | 44.9 | 309.9 | 14,600 | 49.5 | 318.8 | 11,900 | 53.6 | 324.7 | 8,800  | 190 |
| 195 | 43.0 | 304.7 | 13,900 | 47.7 | 314.4 | 11,200 | 52.0 | 320.8 | 8,200  | 195 |
| 200 | 41.1 | 299.0 | 13,200 | 45.9 | 309.6 | 10,500 | 50.3 | 316.8 | 7,600  | 200 |
| 205 | 39.0 | 293.0 | 12,500 | 44.1 | 304.5 | 9,900  | 48.6 | 312.4 | 7,000  | 205 |
| 210 | 36.9 | 286.5 | 11,900 | 42.1 | 299.1 | 9,200  | 46.8 | 307.8 | 6,400  | 210 |
| 215 | 34.6 | 279.5 | 11,300 | 40.2 | 293.3 | 8,600  | 45.0 | 302.9 | 5,900  | 215 |
| 220 | 32.3 | 271.8 | 10,700 | 38.1 | 287.1 | 8,000  | 43.1 | 297.7 | 5,400  | 220 |
| 225 | 29.7 | 263.4 | 10,100 | 35.9 | 280.4 | 7,500  |      |       |        | 225 |
| 230 | 26.9 | 254.0 | 9,600  | 33.6 | 273.1 | 7,000  |      |       |        | 230 |
| 232 | 24.8 | 249.3 | 9,400  | 32.0 | 269.7 | 6,800  |      |       |        | 232 |
| 237 | 21.8 | 237.7 | 8,800  | 29.5 | 261.3 | 6,300  |      |       |        | 237 |
| 240 | 20.3 | 230.8 | 8,500  | 28.5 | 256.2 | 6,000  |      |       |        | 240 |
| 245 | 16.1 | 215.3 | 7,900  | 25.6 | 246.3 | 5,500  |      |       |        | 245 |
| 250 | 10.2 | 193.3 | 7,400  |      |       |        |      |       |        | 250 |
| 253 | 3.2  | 166.3 | 7,000  |      |       |        |      |       |        | 253 |



184,600 lb  
+  
44,000 lb



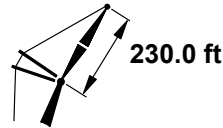
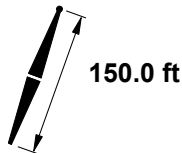
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 70  | 75.8 | 380.7 | 30,100 |      |       |        |      |       |        | 70  |
| 75  | 74.6 | 379.4 | 29,800 |      |       |        |      |       |        | 75  |
| 80  | 73.3 | 377.9 | 29,400 |      |       |        |      |       |        | 80  |
| 83  | 71.8 | 376.9 | 29,100 | 73.8 | 378.2 | 34,000 |      |       |        | 83  |
| 85  | 71.9 | 376.3 | 29,000 | 73.3 | 377.6 | 33,900 |      |       |        | 85  |
| 90  | 70.6 | 374.6 | 28,600 | 72.0 | 376.0 | 33,700 |      |       |        | 90  |
| 95  | 69.3 | 372.7 | 28,200 | 70.7 | 374.3 | 33,500 |      |       |        | 95  |
| 100 | 68.0 | 370.7 | 27,800 | 69.4 | 372.4 | 33,300 |      |       |        | 100 |
| 102 | 66.6 | 369.9 | 27,600 | 68.6 | 371.6 | 33,200 | 70.9 | 373.7 | 32,700 | 102 |
| 105 | 66.6 | 368.6 | 27,400 | 68.0 | 370.5 | 33,000 | 70.1 | 372.6 | 32,600 | 105 |
| 110 | 65.2 | 366.3 | 27,000 | 66.7 | 368.3 | 32,400 | 68.8 | 370.7 | 32,500 | 110 |
| 115 | 63.9 | 363.9 | 26,600 | 65.3 | 366.1 | 31,400 | 67.4 | 368.7 | 32,400 | 115 |
| 120 | 62.5 | 361.3 | 25,600 | 63.9 | 363.7 | 30,300 | 66.1 | 366.5 | 32,300 | 120 |
| 121 | 61.8 | 360.8 | 25,400 | 62.8 | 363.2 | 30,100 | 65.6 | 366.0 | 32,200 | 121 |
| 125 | 61.0 | 358.6 | 24,600 | 62.5 | 361.1 | 29,200 | 64.7 | 364.2 | 31,900 | 125 |
| 130 | 59.6 | 355.7 | 23,600 | 61.1 | 358.4 | 28,100 | 63.3 | 361.7 | 30,000 | 130 |
| 135 | 58.1 | 352.7 | 22,500 | 59.7 | 355.5 | 27,000 | 61.9 | 359.1 | 28,300 | 135 |
| 140 | 56.7 | 349.4 | 21,600 | 58.2 | 352.5 | 26,000 | 60.5 | 356.3 | 26,700 | 140 |
| 145 | 55.1 | 346.0 | 20,600 | 56.7 | 349.2 | 24,900 | 59.0 | 353.3 | 25,300 | 145 |
| 150 | 53.6 | 342.4 | 19,800 | 55.2 | 345.8 | 23,900 | 57.6 | 350.2 | 23,900 | 150 |
| 152 | 52.6 | 340.8 | 19,400 | 54.2 | 344.4 | 23,500 | 56.6 | 348.9 | 23,400 | 152 |
| 155 | 52.0 | 338.5 | 18,900 | 53.7 | 342.2 | 22,900 | 56.1 | 346.9 | 22,700 | 155 |
| 160 | 50.4 | 334.5 | 18,100 | 52.1 | 338.4 | 22,000 | 54.5 | 343.4 | 21,500 | 160 |
| 165 | 48.8 | 330.2 | 17,300 | 50.5 | 334.3 | 21,000 | 53.0 | 339.7 | 20,400 | 165 |
| 170 | 47.1 | 325.6 | 16,500 | 48.9 | 330.0 | 20,100 | 51.4 | 335.8 | 19,400 | 170 |
| 175 | 45.4 | 320.8 | 15,800 | 47.2 | 325.5 | 19,300 | 49.8 | 331.6 | 18,400 | 175 |
| 180 | 43.6 | 315.6 | 15,200 | 45.4 | 320.6 | 18,400 | 48.1 | 327.2 | 17,500 | 180 |
| 182 | 42.2 | 313.4 | 14,900 | 44.2 | 318.6 | 18,100 | 47.2 | 325.3 | 17,100 | 182 |
| 185 | 41.7 | 310.1 | 14,600 | 43.7 | 315.5 | 17,600 | 46.4 | 322.5 | 16,600 | 185 |
| 190 | 39.8 | 304.3 | 14,000 | 41.8 | 310.0 | 16,900 | 44.7 | 317.6 | 15,800 | 190 |
| 195 | 37.8 | 298.0 | 13,500 | 39.9 | 304.2 | 16,300 | 42.9 | 312.3 | 15,000 | 195 |
| 200 | 35.7 | 291.2 | 13,000 | 37.9 | 297.9 | 15,600 | 41.0 | 306.6 | 14,300 | 200 |
| 210 | 31.1 | 275.9 | 12,100 | 33.6 | 283.9 | 14,200 | 37.0 | 294.1 | 12,900 | 210 |
| 215 | 28.6 | 267.1 | 11,700 | 31.3 | 275.9 | 13,600 | 34.9 | 287.2 | 12,300 | 215 |
| 220 | 25.9 | 257.2 | 11,400 | 28.7 | 267.1 | 12,900 | 32.6 | 279.6 | 11,700 | 220 |
| 230 | 19.3 | 232.8 | 10,700 | 23.0 | 246.2 | 11,700 | 27.6 | 262.1 | 10,500 | 230 |
| 240 | 8.8  | 191.8 | 7,600  | 15.2 | 216.7 | 9,900  | 21.5 | 239.8 | 9,500  | 240 |
| 242 | 4.1  | 173.0 | 6,400  | 12.6 | 207.2 | 9,200  | 19.4 | 234.1 | 9,300  | 242 |
| 245 |      |       |        | 9.1  | 192.9 | 8,100  | 17.7 | 225.6 | 9,000  | 245 |
| 247 |      |       |        | 4.8  | 175.7 | 7,000  | 15.0 | 218.1 | 8,800  | 247 |
| 250 |      |       |        |      |       |        | 12.9 | 206.9 | 8,500  | 250 |
| 255 |      |       |        |      |       |        | 4.2  | 172.2 | 7,400  | 255 |
| 260 |      |       |        |      |       |        |      |       |        | 260 |
| 263 |      |       |        |      |       |        |      |       |        | 263 |

# MLC250 S-2

ASME B30.5



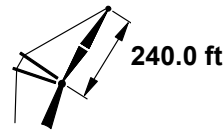
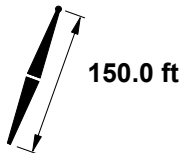
184,600 lb  
+  
44,000 lb

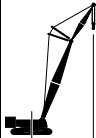
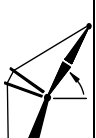
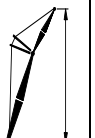
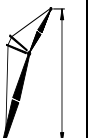


|     | 80°  |       |        | 75°  |       |        | 70°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft    |     |
| 70  |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |       | 80  |
| 83  |      |       |        |      |       |        |      |       |       | 83  |
| 85  |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |       | 100 |
| 102 |      |       |        |      |       |        |      |       |       | 102 |
| 105 |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |       | 110 |
| 115 |      |       |        |      |       |        |      |       |       | 115 |
| 120 |      |       |        |      |       |        |      |       |       | 120 |
| 121 | 67.9 | 368.1 | 31,000 |      |       |        |      |       |       | 121 |
| 125 | 66.8 | 366.4 | 29,500 |      |       |        |      |       |       | 125 |
| 130 | 65.5 | 364.2 | 27,800 |      |       |        |      |       |       | 130 |
| 135 | 64.1 | 361.8 | 26,200 |      |       |        |      |       |       | 135 |
| 140 | 62.7 | 359.3 | 24,700 |      |       |        |      |       |       | 140 |
| 145 | 61.3 | 356.6 | 23,300 |      |       |        |      |       |       | 145 |
| 150 | 59.8 | 353.7 | 22,000 |      |       |        |      |       |       | 150 |
| 152 | 58.6 | 352.5 | 21,500 | 62.9 | 356.6 | 18,400 |      |       |       | 152 |
| 155 | 58.4 | 350.7 | 20,800 | 62.0 | 355.0 | 17,800 |      |       |       | 155 |
| 160 | 56.9 | 347.5 | 19,700 | 60.6 | 352.3 | 16,800 |      |       |       | 160 |
| 165 | 55.4 | 344.1 | 18,700 | 59.2 | 349.3 | 15,800 |      |       |       | 165 |
| 170 | 53.8 | 340.5 | 17,700 | 57.7 | 346.2 | 14,800 |      |       |       | 170 |
| 175 | 52.3 | 336.7 | 16,800 | 56.2 | 342.9 | 13,900 |      |       |       | 175 |
| 180 | 50.7 | 332.6 | 15,900 | 54.7 | 339.4 | 13,000 |      |       |       | 180 |
| 182 | 49.6 | 330.9 | 15,600 | 53.6 | 337.9 | 12,700 | 57.8 | 342.4 | 9,500 | 182 |
| 185 | 49.0 | 328.4 | 15,100 | 53.1 | 335.7 | 12,200 | 56.9 | 340.4 | 9,000 | 185 |
| 190 | 47.4 | 323.8 | 14,300 | 51.6 | 331.8 | 11,500 | 55.4 | 337.0 | 8,400 | 190 |
| 195 | 45.6 | 319.0 | 13,600 | 49.9 | 327.7 | 10,700 | 53.9 | 333.4 | 7,700 | 195 |
| 200 | 43.9 | 313.9 | 12,900 | 48.3 | 323.3 | 10,100 | 52.3 | 329.6 | 7,100 | 200 |
| 210 | 40.1 | 302.7 | 11,600 | 44.8 | 313.8 | 8,800  | 49.1 | 321.4 | 6,000 | 210 |
| 215 | 38.1 | 296.5 | 11,000 | 43.0 | 308.5 | 8,200  | 47.4 | 316.8 | 5,400 | 215 |
| 220 | 36.0 | 289.8 | 10,400 | 41.2 | 302.9 | 7,600  |      |       |       | 220 |
| 230 | 31.5 | 274.7 | 9,200  | 37.2 | 290.5 | 6,500  |      |       |       | 230 |
| 240 | 26.3 | 256.3 | 8,100  | 32.8 | 276.0 | 5,600  |      |       |       | 240 |
| 242 | 24.8 | 251.9 | 7,900  | 31.2 | 272.7 | 5,400  |      |       |       | 242 |
| 245 | 23.3 | 245.3 | 7,500  | 30.4 | 267.8 | 5,100  |      |       |       | 245 |
| 247 | 21.4 | 240.2 | 7,300  |      |       |        |      |       |       | 247 |
| 250 | 19.9 | 232.5 | 7,000  |      |       |        |      |       |       | 250 |
| 255 | 15.7 | 216.6 | 6,500  |      |       |        |      |       |       | 255 |
| 260 | 10.0 | 194.1 | 6,100  |      |       |        |      |       |       | 260 |
| 263 | 3.1  | 166.6 | 5,700  |      |       |        |      |       |       | 263 |



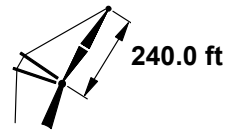
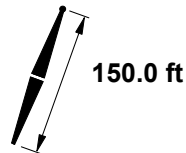
184,600 lb  
+  
44,000 lb



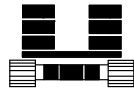
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 73                                                                                | 76.0                                                                                  | 390.6                                                                             | 26,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 73                                                                                  |
| 75                                                                                | 75.5                                                                                  | 390.0                                                                             | 26,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 74.3                                                                                  | 388.7                                                                             | 26,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 73.0                                                                                  | 387.2                                                                             | 26,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 87                                                                                | 72.2                                                                                  | 386.5                                                                             | 26,300                                                                            | 73.8                                                                                  | 387.8                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 87                                                                                  |
| 90                                                                                | 71.8                                                                                  | 385.6                                                                             | 26,100                                                                            | 73.1                                                                                  | 386.9                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 70.5                                                                                  | 383.8                                                                             | 25,700                                                                            | 71.8                                                                                  | 385.3                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 69.2                                                                                  | 381.9                                                                             | 25,400                                                                            | 70.6                                                                                  | 383.5                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 105                                                                               | 67.9                                                                                  | 380.0                                                                             | 25,000                                                                            | 69.3                                                                                  | 381.7                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 105                                                                                 |
| 106                                                                               | 66.8                                                                                  | 379.5                                                                             | 25,000                                                                            | 68.6                                                                                  | 381.3                                                                             | 29,400                                                                            | 71.0                                                                                    | 383.3                                                                               | 29,100                                                                              | 106                                                                                 |
| 110                                                                               | 66.6                                                                                  | 377.8                                                                             | 24,700                                                                            | 68.0                                                                                  | 379.7                                                                             | 29,300                                                                            | 70.0                                                                                    | 381.9                                                                               | 29,000                                                                              | 110                                                                                 |
| 115                                                                               | 65.3                                                                                  | 375.6                                                                             | 24,400                                                                            | 66.7                                                                                  | 377.6                                                                             | 29,100                                                                            | 68.7                                                                                    | 380.0                                                                               | 28,800                                                                              | 115                                                                                 |
| 120                                                                               | 64.0                                                                                  | 373.2                                                                             | 24,100                                                                            | 65.4                                                                                  | 375.3                                                                             | 28,900                                                                            | 67.4                                                                                    | 377.9                                                                               | 28,700                                                                              | 120                                                                                 |
| 125                                                                               | 62.7                                                                                  | 370.6                                                                             | 23,700                                                                            | 64.1                                                                                  | 372.9                                                                             | 28,000                                                                            | 66.1                                                                                    | 375.7                                                                               | 28,600                                                                              | 125                                                                                 |
| 126                                                                               | 61.8                                                                                  | 370.1                                                                             | 23,600                                                                            | 63.6                                                                                  | 372.4                                                                             | 27,900                                                                            | 65.6                                                                                    | 375.3                                                                               | 28,500                                                                              | 126                                                                                 |
| 130                                                                               | 61.3                                                                                  | 367.9                                                                             | 23,000                                                                            | 62.7                                                                                  | 370.4                                                                             | 27,200                                                                            | 64.8                                                                                    | 373.4                                                                               | 28,400                                                                              | 130                                                                                 |
| 135                                                                               | 59.9                                                                                  | 365.1                                                                             | 22,100                                                                            | 61.4                                                                                  | 367.7                                                                             | 26,200                                                                            | 63.5                                                                                    | 371.0                                                                               | 28,000                                                                              | 135                                                                                 |
| 140                                                                               | 58.5                                                                                  | 362.1                                                                             | 21,200                                                                            | 60.0                                                                                  | 364.9                                                                             | 25,300                                                                            | 62.1                                                                                    | 368.4                                                                               | 26,400                                                                              | 140                                                                                 |
| 145                                                                               | 57.1                                                                                  | 358.9                                                                             | 20,400                                                                            | 58.6                                                                                  | 361.9                                                                             | 24,400                                                                            | 60.8                                                                                    | 365.6                                                                               | 24,900                                                                              | 145                                                                                 |
| 150                                                                               | 55.7                                                                                  | 355.5                                                                             | 19,500                                                                            | 57.2                                                                                  | 358.7                                                                             | 23,500                                                                            | 59.4                                                                                    | 362.7                                                                               | 23,600                                                                              | 150                                                                                 |
| 155                                                                               | 54.2                                                                                  | 352.0                                                                             | 18,700                                                                            | 55.8                                                                                  | 355.3                                                                             | 22,600                                                                            | 58.0                                                                                    | 359.6                                                                               | 22,300                                                                              | 155                                                                                 |
| 158                                                                               | 52.8                                                                                  | 349.7                                                                             | 18,200                                                                            | 54.4                                                                                  | 353.2                                                                             | 22,000                                                                            | 56.4                                                                                    | 357.7                                                                               | 21,600                                                                              | 158                                                                                 |
| 160                                                                               | 52.7                                                                                  | 348.2                                                                             | 17,900                                                                            | 54.3                                                                                  | 351.8                                                                             | 21,700                                                                            | 56.6                                                                                    | 356.4                                                                               | 21,100                                                                              | 160                                                                                 |
| 165                                                                               | 51.2                                                                                  | 344.3                                                                             | 17,200                                                                            | 52.8                                                                                  | 348.1                                                                             | 20,900                                                                            | 55.1                                                                                    | 352.9                                                                               | 20,000                                                                              | 165                                                                                 |
| 170                                                                               | 49.7                                                                                  | 340.1                                                                             | 16,500                                                                            | 51.3                                                                                  | 344.1                                                                             | 20,000                                                                            | 53.6                                                                                    | 349.3                                                                               | 19,000                                                                              | 170                                                                                 |
| 175                                                                               | 48.1                                                                                  | 335.7                                                                             | 15,800                                                                            | 49.7                                                                                  | 339.9                                                                             | 19,200                                                                            | 52.1                                                                                    | 345.5                                                                               | 18,000                                                                              | 175                                                                                 |
| 180                                                                               | 46.4                                                                                  | 331.0                                                                             | 15,200                                                                            | 48.1                                                                                  | 335.5                                                                             | 18,400                                                                            | 50.6                                                                                    | 341.4                                                                               | 17,100                                                                              | 180                                                                                 |
| 185                                                                               | 44.8                                                                                  | 326.1                                                                             | 14,600                                                                            | 46.5                                                                                  | 330.9                                                                             | 17,700                                                                            | 49.0                                                                                    | 337.2                                                                               | 16,300                                                                              | 185                                                                                 |
| 190                                                                               | 43.0                                                                                  | 320.8                                                                             | 13,900                                                                            | 44.8                                                                                  | 325.9                                                                             | 17,000                                                                            | 47.4                                                                                    | 332.7                                                                               | 15,400                                                                              | 190                                                                                 |
| 195                                                                               | 41.2                                                                                  | 315.2                                                                             | 13,400                                                                            | 43.1                                                                                  | 320.7                                                                             | 16,100                                                                            | 45.8                                                                                    | 327.9                                                                               | 14,700                                                                              | 195                                                                                 |
| 200                                                                               | 39.4                                                                                  | 309.3                                                                             | 12,800                                                                            | 41.3                                                                                  | 315.1                                                                             | 15,400                                                                            | 44.1                                                                                    | 322.8                                                                               | 13,900                                                                              | 200                                                                                 |
| 205                                                                               | 37.4                                                                                  | 302.9                                                                             | 12,400                                                                            | 39.5                                                                                  | 309.2                                                                             | 14,600                                                                            | 42.3                                                                                    | 317.4                                                                               | 13,200                                                                              | 205                                                                                 |
| 210                                                                               | 35.4                                                                                  | 296.0                                                                             | 12,000                                                                            | 37.5                                                                                  | 302.8                                                                             | 13,900                                                                            | 40.5                                                                                    | 311.7                                                                               | 12,600                                                                              | 210                                                                                 |
| 215                                                                               | 33.3                                                                                  | 288.6                                                                             | 11,600                                                                            | 35.5                                                                                  | 296.0                                                                             | 13,300                                                                            | 38.6                                                                                    | 305.6                                                                               | 11,900                                                                              | 215                                                                                 |
| 220                                                                               | 31.0                                                                                  | 280.6                                                                             | 11,200                                                                            | 33.4                                                                                  | 288.6                                                                             | 12,600                                                                            | 36.7                                                                                    | 299.0                                                                               | 11,300                                                                              | 220                                                                                 |
| 225                                                                               | 28.6                                                                                  | 271.7                                                                             | 10,900                                                                            | 31.1                                                                                  | 280.6                                                                             | 12,000                                                                            | 34.6                                                                                    | 292.0                                                                               | 10,800                                                                              | 225                                                                                 |
| 230                                                                               | 26.0                                                                                  | 261.9                                                                             | 10,300                                                                            | 28.7                                                                                  | 271.8                                                                             | 11,400                                                                            | 32.4                                                                                    | 284.3                                                                               | 10,200                                                                              | 230                                                                                 |
| 235                                                                               | 23.1                                                                                  | 250.8                                                                             | 9,700                                                                             | 26.1                                                                                  | 262.0                                                                             | 10,900                                                                            | 30.1                                                                                    | 276.0                                                                               | 9,700                                                                               | 235                                                                                 |
| 240                                                                               | 19.7                                                                                  | 237.8                                                                             | 9,100                                                                             | 23.2                                                                                  | 251.0                                                                             | 10,300                                                                            | 27.6                                                                                    | 266.8                                                                               | 9,100                                                                               | 240                                                                                 |
| 250                                                                               | 10.3                                                                                  | 199.7                                                                             | 6,500                                                                             | 15.9                                                                                  | 222.3                                                                             | 8,600                                                                             | 21.8                                                                                    | 244.7                                                                               | 8,000                                                                               | 250                                                                                 |
| 258                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.2                                                                                   | 178.2                                                                             | 5,600                                                                             | 14.6                                                                                    | 219.4                                                                               | 7,200                                                                               | 258                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.9                                                                                    | 213.0                                                                               | 7,000                                                                               | 260                                                                                 |
| 265                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.1                                                                                     | 185.2                                                                               | 6,500                                                                               | 265                                                                                 |
| 266                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 4.6                                                                                     | 174.9                                                                               | 6,000                                                                               | 266                                                                                 |



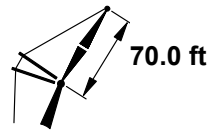
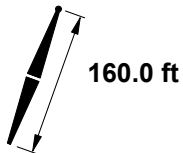
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 73  |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        | 85  |
| 87  |      |       |        |      |       |        | 87  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        | 105 |
| 106 |      |       |        |      |       |        | 106 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 125 |      |       |        |      |       |        | 125 |
| 126 | 67.9 | 377.4 | 28,800 |      |       |        | 126 |
| 130 | 66.8 | 375.7 | 27,400 |      |       |        | 130 |
| 135 | 65.5 | 373.4 | 25,800 |      |       |        | 135 |
| 140 | 64.2 | 371.1 | 24,300 |      |       |        | 140 |
| 145 | 62.9 | 368.5 | 22,900 |      |       |        | 145 |
| 150 | 61.5 | 365.9 | 21,600 |      |       |        | 150 |
| 155 | 60.2 | 363.0 | 20,400 |      |       |        | 155 |
| 158 | 58.8 | 361.2 | 19,800 | 62.8 | 365.4 | 16,600 | 158 |
| 160 | 58.8 | 360.1 | 19,300 | 62.3 | 364.3 | 16,100 | 160 |
| 165 | 57.4 | 356.9 | 18,300 | 60.9 | 361.6 | 15,100 | 165 |
| 170 | 55.9 | 353.6 | 17,300 | 59.5 | 358.7 | 14,200 | 170 |
| 175 | 54.5 | 350.0 | 16,400 | 58.1 | 355.6 | 13,200 | 175 |
| 180 | 53.0 | 346.3 | 15,500 | 56.7 | 352.4 | 12,400 | 180 |
| 185 | 51.5 | 342.4 | 14,700 | 55.3 | 349.0 | 11,600 | 185 |
| 190 | 49.9 | 338.3 | 13,900 | 53.8 | 345.4 | 10,800 | 190 |
| 195 | 48.3 | 333.9 | 13,200 | 52.3 | 341.6 | 10,100 | 195 |
| 200 | 46.7 | 329.3 | 12,500 | 50.8 | 337.5 | 9,400  | 200 |
| 205 | 45.0 | 324.4 | 11,800 | 49.2 | 333.3 | 8,800  | 205 |
| 210 | 43.3 | 319.2 | 11,100 | 47.6 | 328.8 | 8,100  | 210 |
| 215 | 41.5 | 313.6 | 10,400 | 45.9 | 324.1 | 7,600  | 215 |
| 220 | 39.7 | 307.7 | 9,800  | 44.2 | 319.0 | 7,000  | 220 |
| 225 | 37.7 | 301.4 | 9,200  | 42.5 | 313.7 | 6,400  | 225 |
| 230 | 35.7 | 294.6 | 8,600  | 40.7 | 308.0 | 5,900  | 230 |
| 235 | 33.6 | 287.3 | 8,100  | 38.8 | 301.9 | 5,400  | 235 |
| 240 | 31.4 | 279.4 | 7,500  |      |       |        | 240 |
| 250 | 26.4 | 261.0 | 6,500  |      |       |        | 250 |
| 258 | 21.2 | 242.2 | 5,800  |      |       |        | 258 |
| 260 | 20.3 | 237.5 | 5,600  |      |       |        | 260 |
| 265 | 16.4 | 222.1 | 5,100  |      |       |        | 265 |
| 266 |      |       |        |      |       |        | 266 |



184,600 lb  
+  
44,000 lb

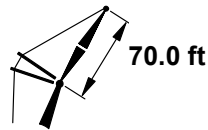
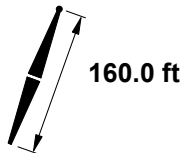


|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 73.5 | 234.7 | 117,600 d |      |       |           |      |       |           | 34  |
| 36  | 71.7 | 234.1 | 115,800 d |      |       |           |      |       |           | 36  |
| 38  | 70.0 | 233.3 | 114,000 d |      |       |           |      |       |           | 38  |
| 39  | 68.5 | 232.9 | 113,000 d | 74.0 | 234.6 | 130,800 d |      |       |           | 39  |
| 40  | 68.2 | 232.5 | 112,100 d | 73.1 | 234.2 | 129,200 d |      |       |           | 40  |
| 45  | 63.7 | 230.2 | 107,900 b | 68.7 | 232.4 | 121,000 d |      |       |           | 45  |
| 50  | 59.0 | 227.3 | 104,400 b | 64.2 | 230.1 | 113,300 b |      |       |           | 50  |
| 51  | 57.2 | 226.7 | 103,400 b | 63.0 | 229.6 | 111,900 b | 70.8 | 232.4 | 118,000 d | 51  |
| 55  | 54.0 | 223.9 | 99,400    | 59.5 | 227.3 | 106,300 b | 67.2 | 230.8 | 106,900 c | 55  |
| 60  | 48.7 | 219.7 | 90,700    | 54.6 | 224.0 | 100,100   | 62.7 | 228.3 | 95,500 b  | 60  |
| 63  | 44.4 | 216.7 | 86,200    | 51.0 | 221.5 | 94,300    | 59.0 | 226.5 | 89,900 b  | 63  |
| 65  | 42.9 | 214.7 | 83,200    | 49.3 | 219.9 | 90,400    | 57.9 | 225.3 | 86,200 b  | 65  |
| 70  | 36.3 | 208.4 | 76,700    | 43.6 | 215.0 | 82,200    | 52.9 | 221.8 | 78,400    | 70  |
| 75  | 28.4 | 200.2 | 71,600    | 37.1 | 208.9 | 75,200    | 47.5 | 217.4 | 71,700    | 75  |
| 80  | 17.5 | 187.8 | 68,800    | 29.4 | 200.9 | 69,200    | 41.5 | 212.2 | 66,000    | 80  |
| 82  | 10.0 | 178.9 | 62,100    | 25.0 | 196.2 | 67,100    | 38.2 | 209.5 | 64,100    | 82  |
| 85  |      |       |           | 19.0 | 189.2 | 64,000    | 34.7 | 205.5 | 61,100    | 85  |
| 88  |      |       |           | 7.3  | 175.3 | 61,000    | 29.2 | 200.2 | 58,400    | 88  |
| 90  |      |       |           |      |       |           | 26.4 | 196.7 | 56,700    | 90  |
| 95  |      |       |           |      |       |           | 13.9 | 182.3 | 52,700    | 95  |
| 96  |      |       |           |      |       |           | 9.4  | 176.9 | 51,900    | 96  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 118 |      |       |           |      |       |           |      |       |           | 118 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 131 |      |       |           |      |       |           |      |       |           | 131 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 144 |      |       |           |      |       |           |      |       |           | 144 |

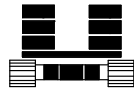




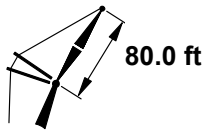
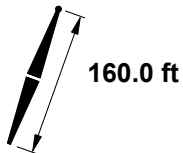
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |          | 70°  |       |          | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|----------|------|-------|----------|------|-------|--------|-----|
|     |      |       |          |      |       |          |      |       |          |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft       | lb   | ft    | lb       | ft   | lb    | ft     |     |
| 34  |      |       |          |      |       |          |      |       |          |      |       |        | 34  |
| 36  |      |       |          |      |       |          |      |       |          |      |       |        | 36  |
| 38  |      |       |          |      |       |          |      |       |          |      |       |        | 38  |
| 39  |      |       |          |      |       |          |      |       |          |      |       |        | 39  |
| 40  |      |       |          |      |       |          |      |       |          |      |       |        | 40  |
| 45  |      |       |          |      |       |          |      |       |          |      |       |        | 45  |
| 50  |      |       |          |      |       |          |      |       |          |      |       |        | 50  |
| 51  |      |       |          |      |       |          |      |       |          |      |       |        | 51  |
| 55  |      |       |          |      |       |          |      |       |          |      |       |        | 55  |
| 60  |      |       |          |      |       |          |      |       |          |      |       |        | 60  |
| 63  | 67.5 | 229.5 | 85,300 c |      |       |          |      |       |          |      |       |        | 63  |
| 65  | 65.7 | 228.6 | 81,900 b |      |       |          |      |       |          |      |       |        | 65  |
| 70  | 61.1 | 226.0 | 74,500 b |      |       |          |      |       |          |      |       |        | 70  |
| 75  | 56.2 | 222.8 | 68,200   |      |       |          |      |       |          |      |       |        | 75  |
| 80  | 51.1 | 219.0 | 62,800   |      |       |          |      |       |          |      |       |        | 80  |
| 82  | 48.6 | 217.1 | 60,900   | 62.6 | 223.7 | 55,600 b |      |       |          |      |       |        | 82  |
| 85  | 45.5 | 214.4 | 58,100   | 59.7 | 221.9 | 53,000 b |      |       |          |      |       |        | 85  |
| 88  | 41.4 | 211.0 | 55,600   | 56.0 | 219.9 | 50,800 b |      |       |          |      |       |        | 88  |
| 90  | 39.3 | 208.7 | 53,900   | 54.8 | 218.6 | 49,300   |      |       |          |      |       |        | 90  |
| 95  | 32.1 | 201.4 | 50,300   | 49.5 | 214.6 | 45,900   |      |       |          |      |       |        | 95  |
| 96  | 30.0 | 199.4 | 49,600   | 47.8 | 213.6 | 45,300   |      |       |          |      |       |        | 96  |
| 100 | 22.9 | 191.4 | 46,900   | 43.8 | 209.7 | 42,900   | 58.0 | 216.5 | 38,800 b |      |       |        | 100 |
| 105 | 2.1  | 166.6 | 43,700   | 37.4 | 203.6 | 40,200   | 53.0 | 212.9 | 36,400   |      |       |        | 105 |
| 110 |      |       |          | 29.8 | 195.8 | 37,700   | 47.6 | 208.6 | 34,200   |      |       |        | 110 |
| 115 |      |       |          | 19.5 | 184.3 | 35,500   | 41.7 | 203.3 | 32,100   |      |       |        | 115 |
| 118 |      |       |          | 8.5  | 171.3 | 34,100   | 36.8 | 199.4 | 31,000   | 52.8 | 207.2 | 27,700 | 118 |
| 120 |      |       |          |      |       |          | 34.9 | 196.7 | 30,300   | 50.7 | 205.6 | 27,100 | 120 |
| 125 |      |       |          |      |       |          | 26.6 | 188.0 | 28,500   | 45.1 | 200.9 | 25,600 | 125 |
| 130 |      |       |          |      |       |          | 14.3 | 173.8 | 26,900   | 38.8 | 195.1 | 24,100 | 130 |
| 131 |      |       |          |      |       |          | 10.0 | 168.6 | 26,500   | 36.6 | 193.6 | 23,900 | 131 |
| 135 |      |       |          |      |       |          |      |       |          | 31.5 | 187.7 | 22,800 | 135 |
| 140 |      |       |          |      |       |          |      |       |          | 22.1 | 177.4 | 21,500 | 140 |
| 144 |      |       |          |      |       |          |      |       |          | 9.0  | 161.9 | 20,500 | 144 |



184,600 lb  
+  
44,000 lb



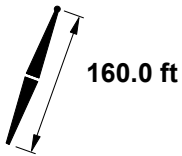
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 75.6 | 245.2 | 107,900 d |      |       |           |      |       |           | 34  |
| 36  | 74.1 | 244.6 | 106,400 d |      |       |           |      |       |           | 36  |
| 38  | 72.6 | 244.0 | 104,900 d |      |       |           |      |       |           | 38  |
| 40  | 71.1 | 243.3 | 103,300 c |      |       |           |      |       |           | 40  |
| 42  | 69.4 | 242.5 | 101,800 c | 73.8 | 244.1 | 118,000 d |      |       |           | 42  |
| 45  | 67.2 | 241.3 | 99,500 b  | 71.5 | 243.1 | 116,200 d |      |       |           | 45  |
| 50  | 63.3 | 238.9 | 96,100 b  | 67.7 | 241.1 | 109,300 b |      |       |           | 50  |
| 54  | 59.8 | 236.6 | 93,700 b  | 63.8 | 239.3 | 104,100 b | 71.0 | 241.9 | 109,000 c | 54  |
| 55  | 59.1 | 236.0 | 93,200    | 63.7 | 238.8 | 102,800 b | 70.2 | 241.6 | 106,400 c | 55  |
| 60  | 54.8 | 232.6 | 87,700    | 59.6 | 236.0 | 96,900    | 66.4 | 239.5 | 95,000 b  | 60  |
| 65  | 50.2 | 228.7 | 80,100    | 55.3 | 232.7 | 90,000    | 62.4 | 237.0 | 85,700    | 65  |
| 67  | 48.0 | 226.8 | 77,400    | 53.0 | 231.1 | 86,800    | 60.4 | 235.8 | 82,600    | 67  |
| 70  | 45.3 | 224.0 | 73,500    | 50.8 | 228.8 | 81,900    | 58.2 | 234.0 | 77,900    | 70  |
| 75  | 39.9 | 218.4 | 67,900    | 45.9 | 224.2 | 75,000    | 53.8 | 230.5 | 71,300    | 75  |
| 80  | 33.8 | 211.5 | 63,100    | 40.6 | 218.7 | 69,000    | 49.2 | 226.4 | 65,700    | 80  |
| 85  | 26.5 | 202.6 | 59,400    | 34.6 | 212.0 | 63,800    | 44.2 | 221.6 | 60,700    | 85  |
| 87  | 22.0 | 197.2 | 58,600    | 31.2 | 208.5 | 62,000    | 41.6 | 219.2 | 59,000    | 87  |
| 90  | 16.2 | 189.2 | 57,500    | 27.4 | 203.4 | 59,300    | 38.7 | 215.7 | 56,400    | 90  |
| 92  | 9.3  | 179.6 | 54,700    | 23.0 | 198.3 | 57,600    | 35.6 | 212.8 | 54,900    | 92  |
| 95  |      |       |           | 17.7 | 190.8 | 55,200    | 32.4 | 208.4 | 52,600    | 95  |
| 98  |      |       |           | 6.8  | 175.8 | 52,900    | 27.2 | 202.7 | 50,500    | 98  |
| 100 |      |       |           |      |       |           | 24.6 | 198.9 | 49,100    | 100 |
| 105 |      |       |           |      |       |           | 12.9 | 183.3 | 46,000    | 105 |
| 106 |      |       |           |      |       |           | 8.7  | 177.6 | 45,300    | 106 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 124 |      |       |           |      |       |           |      |       |           | 124 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 128 |      |       |           |      |       |           |      |       |           | 128 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 141 |      |       |           |      |       |           |      |       |           | 141 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 150 |      |       |           |      |       |           |      |       |           | 150 |
| 154 |      |       |           |      |       |           |      |       |           | 154 |

# MLC250 S-2

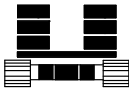
ASME B30.5



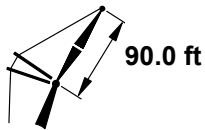
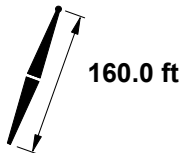
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 34  |      |       |          |      |       |        |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 42  |      |       |          |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |          |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 67  | 67.4 | 238.7 | 78,200 b |      |       |        |      |       |        |      |       |        | 67  |
| 70  | 65.0 | 237.3 | 73,900 b |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 60.9 | 234.7 | 67,700   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 56.7 | 231.5 | 62,300   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 52.3 | 227.8 | 57,600   |      |       |        |      |       |        |      |       |        | 85  |
| 87  | 50.0 | 226.1 | 56,000   | 62.2 | 232.3 | 50,800 |      |       |        |      |       |        | 87  |
| 90  | 47.5 | 223.5 | 53,500   | 59.8 | 230.6 | 48,700 |      |       |        |      |       |        | 90  |
| 92  | 45.0 | 221.4 | 52,000   | 57.4 | 229.3 | 47,300 |      |       |        |      |       |        | 92  |
| 95  | 42.3 | 218.3 | 49,900   | 55.5 | 227.3 | 45,300 |      |       |        |      |       |        | 95  |
| 98  | 38.4 | 214.5 | 47,900   | 52.0 | 225.0 | 43,500 |      |       |        |      |       |        | 98  |
| 100 | 36.6 | 212.0 | 46,600   | 50.9 | 223.5 | 42,400 |      |       |        |      |       |        | 100 |
| 105 | 29.9 | 204.1 | 43,700   | 46.1 | 218.9 | 39,700 |      |       |        |      |       |        | 105 |
| 106 | 27.4 | 201.9 | 43,100   | 44.8 | 217.8 | 39,200 | 57.4 | 224.5 | 35,300 |      |       |        | 106 |
| 110 | 21.3 | 193.2 | 41,000   | 40.8 | 213.4 | 37,300 | 53.9 | 221.7 | 33,500 |      |       |        | 110 |
| 115 | 1.8  | 166.6 | 38,400   | 34.8 | 206.8 | 35,100 | 49.3 | 217.6 | 31,500 |      |       |        | 115 |
| 120 |      |       |          | 27.7 | 198.2 | 33,100 | 44.3 | 212.7 | 29,700 |      |       |        | 120 |
| 124 |      |       |          | 19.8 | 188.3 | 31,600 | 39.2 | 208.0 | 28,400 | 52.9 | 215.2 | 25,200 | 124 |
| 125 |      |       |          | 18.2 | 185.9 | 31,200 | 38.8 | 206.9 | 28,100 | 51.9 | 214.4 | 24,900 | 125 |
| 128 |      |       |          | 7.9  | 171.9 | 30,000 | 34.4 | 202.5 | 27,100 | 48.6 | 211.8 | 24,100 | 128 |
| 130 |      |       |          |      |       |        | 32.5 | 199.7 | 26,500 | 47.2 | 210.0 | 23,500 | 130 |
| 135 |      |       |          |      |       |        | 24.8 | 190.2 | 25,100 | 42.0 | 204.8 | 22,200 | 135 |
| 140 |      |       |          |      |       |        | 13.3 | 174.9 | 23,600 | 36.2 | 198.4 | 21,000 | 140 |
| 141 |      |       |          |      |       |        | 9.3  | 169.4 | 23,300 | 34.6 | 196.8 | 20,800 | 141 |
| 145 |      |       |          |      |       |        |      |       |        | 29.4 | 190.4 | 19,900 | 145 |
| 150 |      |       |          |      |       |        |      |       |        | 20.6 | 179.2 | 18,800 | 150 |
| 154 |      |       |          |      |       |        |      |       |        | 8.3  | 162.6 | 17,900 | 154 |



184,600 lb  
+  
44,000 lb



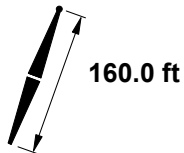
|     | 88°  |       |          | 86°  |       |           | 83°  |       |          |     |
|-----|------|-------|----------|------|-------|-----------|------|-------|----------|-----|
|     |      |       |          |      |       |           |      |       |          |     |
| 36  | 75.9 | 255.0 | 97,900 d |      |       |           |      |       |          | 36  |
| 38  | 74.6 | 254.4 | 96,700 d |      |       |           |      |       |          | 38  |
| 40  | 73.3 | 253.8 | 95,400 c |      |       |           |      |       |          | 40  |
| 45  | 69.9 | 252.1 | 92,100 b | 73.6 | 253.6 | 111,900 d |      |       |          | 45  |
| 50  | 66.4 | 250.0 | 89,000 b | 70.3 | 251.9 | 105,700 b |      |       |          | 50  |
| 55  | 62.9 | 247.5 | 86,200   | 66.8 | 249.9 | 99,800 b  |      |       |          | 55  |
| 58  | 60.2 | 245.8 | 84,700   | 64.2 | 248.4 | 96,500 b  | 70.5 | 251.1 | 98,900 b | 58  |
| 60  | 59.2 | 244.7 | 83,700   | 63.3 | 247.5 | 94,200    | 69.1 | 250.4 | 94,700 b | 60  |
| 65  | 55.4 | 241.4 | 77,500   | 59.7 | 244.7 | 89,100    | 65.7 | 248.2 | 85,400   | 65  |
| 70  | 51.4 | 237.5 | 71,100   | 55.9 | 241.4 | 81,600    | 62.1 | 245.6 | 77,600   | 70  |
| 75  | 47.1 | 233.1 | 65,500   | 51.9 | 237.6 | 74,700    | 58.4 | 242.7 | 71,000   | 75  |
| 80  | 42.6 | 227.9 | 60,600   | 47.6 | 233.3 | 68,800    | 54.5 | 239.3 | 65,400   | 80  |
| 85  | 37.5 | 221.8 | 56,300   | 43.1 | 228.2 | 63,700    | 50.5 | 235.3 | 60,500   | 85  |
| 90  | 31.8 | 214.3 | 52,700   | 38.1 | 222.2 | 59,200    | 46.2 | 230.7 | 56,200   | 90  |
| 91  | 29.6 | 212.4 | 52,100   | 36.8 | 220.7 | 58,400    | 45.0 | 229.7 | 55,400   | 91  |
| 95  | 24.9 | 204.8 | 50,000   | 32.5 | 214.9 | 55,200    | 41.5 | 225.4 | 52,400   | 95  |
| 100 | 15.3 | 190.4 | 48,000   | 25.8 | 205.6 | 51,600    | 36.3 | 219.0 | 49,000   | 100 |
| 102 | 8.7  | 180.3 | 48,000   | 21.4 | 200.3 | 50,300    | 33.6 | 215.9 | 47,800   | 102 |
| 105 |      |       |          | 16.7 | 192.2 | 48,300    | 30.4 | 211.2 | 45,900   | 105 |
| 108 |      |       |          | 6.3  | 176.3 | 46,400    | 25.8 | 205.0 | 44,300   | 108 |
| 110 |      |       |          |      |       |           | 23.1 | 200.9 | 43,100   | 110 |
| 111 |      |       |          |      |       |           | 20.8 | 197.6 | 42,600   | 111 |
| 115 |      |       |          |      |       |           | 12.1 | 184.3 | 40,600   | 115 |
| 116 |      |       |          |      |       |           | 8.2  | 178.3 | 40,000   | 116 |
| 120 |      |       |          |      |       |           |      |       |          | 120 |
| 125 |      |       |          |      |       |           |      |       |          | 125 |
| 130 |      |       |          |      |       |           |      |       |          | 130 |
| 135 |      |       |          |      |       |           |      |       |          | 135 |
| 138 |      |       |          |      |       |           |      |       |          | 138 |
| 140 |      |       |          |      |       |           |      |       |          | 140 |
| 145 |      |       |          |      |       |           |      |       |          | 145 |
| 150 |      |       |          |      |       |           |      |       |          | 150 |
| 151 |      |       |          |      |       |           |      |       |          | 151 |
| 155 |      |       |          |      |       |           |      |       |          | 155 |
| 160 |      |       |          |      |       |           |      |       |          | 160 |
| 164 |      |       |          |      |       |           |      |       |          | 164 |

# MLC250 S-2

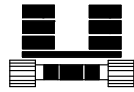
ASME B30.5



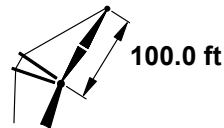
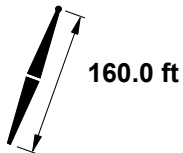
184,600 lb  
+  
44,000 lb

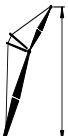
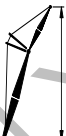


|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 58  |      |       |          |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 67.9 | 248.3 | 73,600 b |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 64.4 | 246.0 | 67,300   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 60.8 | 243.3 | 61,900   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 57.1 | 240.2 | 57,300   |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 53.2 | 236.6 | 53,200   |      |       |        |      |       |        |      |       |        | 90  |
| 91  | 52.2 | 235.8 | 52,500   | 62.7 | 241.5 | 47,600 |      |       |        |      |       |        | 91  |
| 95  | 49.0 | 232.5 | 49,600   | 59.8 | 239.3 | 44,900 |      |       |        |      |       |        | 95  |
| 100 | 44.6 | 227.6 | 46,400   | 56.0 | 236.0 | 42,000 |      |       |        |      |       |        | 100 |
| 102 | 42.0 | 225.3 | 45,200   | 53.8 | 234.5 | 40,900 |      |       |        |      |       |        | 102 |
| 105 | 39.8 | 221.9 | 43,500   | 52.0 | 232.3 | 39,400 |      |       |        |      |       |        | 105 |
| 108 | 36.0 | 217.9 | 41,900   | 49.0 | 229.7 | 37,900 |      |       |        |      |       |        | 108 |
| 110 | 34.4 | 215.1 | 40,900   | 47.8 | 228.0 | 37,000 |      |       |        |      |       |        | 110 |
| 111 | 32.8 | 213.4 | 40,400   | 46.2 | 226.9 | 36,500 | 57.7 | 233.2 | 32,700 |      |       |        | 111 |
| 115 | 28.1 | 206.6 | 38,500   | 43.3 | 222.9 | 34,800 | 54.6 | 230.4 | 31,200 |      |       |        | 115 |
| 116 | 26.4 | 204.3 | 38,000   | 42.0 | 221.7 | 34,400 | 53.2 | 229.6 | 30,800 |      |       |        | 116 |
| 120 | 20.0 | 195.0 | 36,300   | 38.3 | 216.9 | 32,800 | 50.6 | 226.5 | 29,400 |      |       |        | 120 |
| 125 | 1.6  | 166.6 | 34,100   | 32.7 | 209.7 | 31,000 | 46.3 | 221.9 | 27,700 |      |       |        | 125 |
| 130 |      |       |          | 26.1 | 200.5 | 29,300 | 41.6 | 216.6 | 26,200 | 52.9 | 223.2 | 23,100 | 130 |
| 135 |      |       |          | 17.1 | 187.3 | 27,700 | 36.5 | 210.2 | 24,800 | 48.7 | 219.0 | 21,900 | 135 |
| 138 |      |       |          | 7.4  | 172.5 | 26,700 | 32.4 | 205.5 | 24,000 | 45.6 | 216.1 | 21,200 | 138 |
| 140 |      |       |          |      |       |        | 30.6 | 202.4 | 23,500 | 44.3 | 214.1 | 20,700 | 140 |
| 145 |      |       |          |      |       |        | 23.3 | 192.2 | 22,200 | 39.4 | 208.4 | 19,600 | 145 |
| 150 |      |       |          |      |       |        | 12.5 | 175.9 | 21,000 | 34.0 | 201.5 | 18,600 | 150 |
| 151 |      |       |          |      |       |        | 8.7  | 170.1 | 20,800 | 31.8 | 199.8 | 18,400 | 151 |
| 155 |      |       |          |      |       |        |      |       |        | 27.6 | 192.8 | 17,600 | 155 |
| 160 |      |       |          |      |       |        |      |       |        | 19.4 | 180.9 | 16,600 | 160 |
| 164 |      |       |          |      |       |        |      |       |        | 7.8  | 163.2 | 15,800 | 164 |



184,600 lb  
+  
44,000 lb



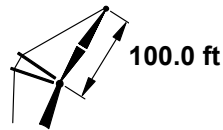
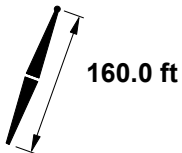
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 39                                                                                   | 75.6                                                                                  | 264.5                                                                                | 88,400 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 39                                                                                     |
| 40                                                                                   | 75.0                                                                                  | 264.3                                                                                | 87,900 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 72.0                                                                                  | 262.7                                                                                | 85,200 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 48                                                                                   | 69.2                                                                                  | 261.6                                                                                | 83,600 <b>b</b>                                                                      | 73.5                                                                                  | 263.2                                                                                | 102,800 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 48                                                                                     |
| 50                                                                                   | 68.9                                                                                  | 260.9                                                                                | 82,500 <b>b</b>                                                                      | 72.3                                                                                  | 262.5                                                                                | 101,600 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 65.8                                                                                  | 258.7                                                                                | 79,900                                                                               | 69.3                                                                                  | 260.7                                                                                | 96,300 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 62.6                                                                                  | 256.2                                                                                | 77,600                                                                               | 66.2                                                                                  | 258.6                                                                                | 91,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 61                                                                                   | 61.4                                                                                  | 255.6                                                                                | 77,000                                                                               | 65.2                                                                                  | 258.1                                                                                | 90,200                                                                               | 70.7                                                                                    | 260.7                                                                                  | 92,100 <b>b</b>                                                                        | 61                                                                                     |
| 65                                                                                   | 59.3                                                                                  | 253.3                                                                                | 74,400                                                                               | 63.0                                                                                  | 256.1                                                                                | 86,500                                                                               | 68.2                                                                                    | 259.1                                                                                  | 84,800                                                                                 | 65                                                                                     |
| 70                                                                                   | 55.9                                                                                  | 250.1                                                                                | 68,900                                                                               | 59.7                                                                                  | 253.3                                                                                | 81,200                                                                               | 65.1                                                                                    | 256.9                                                                                  | 77,100                                                                                 | 70                                                                                     |
| 74                                                                                   | 52.6                                                                                  | 247.1                                                                                | 64,700                                                                               | 56.6                                                                                  | 250.7                                                                                | 75,700                                                                               | 61.8                                                                                    | 254.8                                                                                  | 71,800                                                                                 | 74                                                                                     |
| 75                                                                                   | 52.3                                                                                  | 246.3                                                                                | 63,600                                                                               | 56.3                                                                                  | 250.1                                                                                | 74,300                                                                               | 61.9                                                                                    | 254.3                                                                                  | 70,500                                                                                 | 75                                                                                     |
| 80                                                                                   | 48.6                                                                                  | 242.1                                                                                | 58,700                                                                               | 52.7                                                                                  | 246.4                                                                                | 68,400                                                                               | 58.6                                                                                    | 251.4                                                                                  | 64,900                                                                                 | 80                                                                                     |
| 85                                                                                   | 44.6                                                                                  | 237.2                                                                                | 54,300                                                                               | 49.0                                                                                  | 242.3                                                                                | 63,300                                                                               | 55.1                                                                                    | 248.0                                                                                  | 60,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 40.2                                                                                  | 231.6                                                                                | 50,600                                                                               | 45.0                                                                                  | 237.5                                                                                | 58,800                                                                               | 51.5                                                                                    | 244.2                                                                                  | 55,700                                                                                 | 90                                                                                     |
| 95                                                                                   | 35.5                                                                                  | 225.0                                                                                | 47,300                                                                               | 40.8                                                                                  | 231.9                                                                                | 54,800                                                                               | 47.7                                                                                    | 239.8                                                                                  | 51,900                                                                                 | 95                                                                                     |
| 96                                                                                   | 34.0                                                                                  | 223.4                                                                                | 46,700                                                                               | 39.2                                                                                  | 230.6                                                                                | 54,100                                                                               | 46.2                                                                                    | 238.8                                                                                  | 51,300                                                                                 | 96                                                                                     |
| 100                                                                                  | 30.1                                                                                  | 217.0                                                                                | 44,600                                                                               | 36.1                                                                                  | 225.5                                                                                | 51,300                                                                               | 43.6                                                                                    | 234.8                                                                                  | 48,600                                                                                 | 100                                                                                    |
| 105                                                                                  | 23.6                                                                                  | 206.8                                                                                | 42,500                                                                               | 30.8                                                                                  | 217.7                                                                                | 48,100                                                                               | 39.2                                                                                    | 229.0                                                                                  | 45,500                                                                                 | 105                                                                                    |
| 110                                                                                  | 14.4                                                                                  | 191.7                                                                                | 41,400                                                                               | 24.4                                                                                  | 207.8                                                                                | 45,200                                                                               | 34.4                                                                                    | 222.1                                                                                  | 42,800                                                                                 | 110                                                                                    |
| 112                                                                                  | 8.2                                                                                   | 181.0                                                                                | 41,400                                                                               | 20.4                                                                                  | 202.1                                                                                | 44,100                                                                               | 31.6                                                                                    | 218.8                                                                                  | 41,800                                                                                 | 112                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      | 15.8                                                                                  | 193.5                                                                                | 42,500                                                                               | 28.8                                                                                    | 213.7                                                                                  | 40,300                                                                                 | 115                                                                                    |
| 116                                                                                  |                                                                                       |                                                                                      |                                                                                      | 11.7                                                                                  | 187.9                                                                                | 42,000                                                                               | 26.6                                                                                    | 211.5                                                                                  | 39,900                                                                                 | 116                                                                                    |
| 118                                                                                  |                                                                                       |                                                                                      |                                                                                      | 6.0                                                                                   | 176.7                                                                                | 41,000                                                                               | 23.8                                                                                    | 207.2                                                                                  | 38,900                                                                                 | 118                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 21.9                                                                                    | 202.8                                                                                  | 38,000                                                                                 | 120                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 11.5                                                                                    | 185.3                                                                                  | 35,900                                                                                 | 125                                                                                    |
| 126                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.7                                                                                     | 178.9                                                                                  | 35,400                                                                                 | 126                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 136                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 136                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 148                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 148                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 160                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 161                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 161                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 174                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 174                                                                                    |

# MLC250 S-2

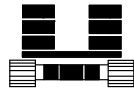
ASME B30.5



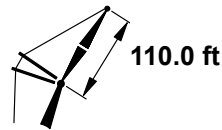
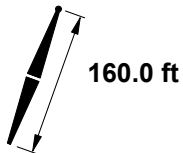
184,600 lb  
+  
44,000 lb

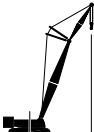
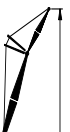
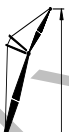


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  | 67.8 | 257.5 | 67,900 |      |       |        |      |       |        |      |       |        | 74  |
| 75  | 67.2 | 257.0 | 66,700 |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 64.0 | 254.7 | 61,400 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 60.7 | 252.0 | 56,700 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 57.4 | 248.9 | 52,700 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 53.9 | 245.4 | 49,100 |      |       |        |      |       |        |      |       |        | 95  |
| 96  | 52.4 | 244.6 | 48,400 | 62.4 | 250.2 | 43,700 |      |       |        |      |       |        | 96  |
| 100 | 50.2 | 241.4 | 45,900 | 59.8 | 247.9 | 41,400 |      |       |        |      |       |        | 100 |
| 105 | 46.3 | 236.8 | 43,000 | 56.4 | 244.7 | 38,800 |      |       |        |      |       |        | 105 |
| 110 | 42.2 | 231.5 | 40,400 | 52.9 | 241.1 | 36,400 |      |       |        |      |       |        | 110 |
| 112 | 40.0 | 229.1 | 39,500 | 50.8 | 239.4 | 35,500 |      |       |        |      |       |        | 112 |
| 115 | 37.6 | 225.4 | 38,000 | 49.1 | 236.9 | 34,200 |      |       |        |      |       |        | 115 |
| 116 | 36.0 | 223.9 | 37,600 | 48.2 | 236.0 | 33,900 | 58.0 | 241.8 | 30,100 |      |       |        | 116 |
| 118 | 34.0 | 221.0 | 36,800 | 46.6 | 234.1 | 33,100 | 56.0 | 240.5 | 29,400 |      |       |        | 118 |
| 120 | 32.5 | 218.1 | 35,900 | 45.2 | 232.2 | 32,300 | 55.2 | 239.1 | 28,700 |      |       |        | 120 |
| 125 | 26.6 | 209.0 | 33,900 | 40.9 | 226.7 | 30,500 | 51.6 | 235.3 | 27,100 |      |       |        | 125 |
| 126 | 24.4 | 206.5 | 33,500 | 39.2 | 225.4 | 30,200 | 50.2 | 234.4 | 26,800 |      |       |        | 126 |
| 130 | 19.0 | 196.6 | 32,100 | 36.2 | 220.2 | 28,800 | 47.8 | 230.9 | 25,600 |      |       |        | 130 |
| 135 | 1.5  | 166.6 | 30,200 | 31.0 | 212.5 | 27,300 | 43.7 | 226.0 | 24,200 |      |       |        | 135 |
| 136 |      |       |        | 28.8 | 210.5 | 27,000 | 42.2 | 224.8 | 24,000 | 52.9 | 231.2 | 21,000 | 136 |
| 140 |      |       |        | 24.7 | 202.7 | 25,900 | 39.3 | 220.2 | 22,900 | 49.9 | 228.0 | 20,000 | 140 |
| 145 |      |       |        | 16.1 | 188.7 | 24,500 | 34.5 | 213.3 | 21,700 | 46.0 | 223.3 | 19,000 | 145 |
| 148 |      |       |        | 7.0  | 173.0 | 23,700 | 30.4 | 208.3 | 21,100 | 43.0 | 220.1 | 18,400 | 148 |
| 150 |      |       |        |      |       |        | 28.9 | 205.0 | 20,600 | 41.9 | 218.0 | 18,000 | 150 |
| 155 |      |       |        |      |       |        | 22.1 | 194.1 | 19,500 | 37.3 | 211.8 | 17,000 | 155 |
| 160 |      |       |        |      |       |        | 11.8 | 176.9 | 18,500 | 32.2 | 204.4 | 16,100 | 160 |
| 161 |      |       |        |      |       |        | 8.2  | 170.7 | 18,300 | 30.8 | 202.5 | 16,000 | 161 |
| 165 |      |       |        |      |       |        |      |       |        | 26.1 | 195.1 | 15,300 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 18.3 | 182.4 | 14,500 | 170 |
| 174 |      |       |        |      |       |        |      |       |        | 7.4  | 163.8 | 13,800 | 174 |



184,600 lb  
+  
44,000 lb



|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  lb |  ft   |  lb |  ft |  |
| 41  | 75.8                                                                                  | 274.4                                                                                | 80,700 <b>c</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 41                                                                                     |  |
| 45  | 73.7                                                                                  | 273.2                                                                                | 78,900 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 45                                                                                     |  |
| 50  | 70.9                                                                                  | 271.5                                                                                | 77,700 <b>b</b>                                                                      | 74.0                                                                                  | 273.0                                                                                | 94,000 <b>b</b>                                                                      |                                                                                         |                                                                                        | 50                                                                                     |  |
| 55  | 68.1                                                                                  | 269.6                                                                                | 74,400                                                                               | 71.2                                                                                  | 271.4                                                                                | 92,500                                                                               |                                                                                         |                                                                                        | 55                                                                                     |  |
| 60  | 65.3                                                                                  | 267.4                                                                                | 72,300                                                                               | 68.5                                                                                  | 269.5                                                                                | 88,300                                                                               |                                                                                         |                                                                                        | 60                                                                                     |  |
| 64  | 62.6                                                                                  | 265.4                                                                                | 70,700                                                                               | 65.6                                                                                  | 267.7                                                                                | 84,800                                                                               | 70.9                                                                                    | 270.2                                                                                  | 64                                                                                     |  |
| 65  | 62.4                                                                                  | 264.9                                                                                | 70,300                                                                               | 65.6                                                                                  | 267.3                                                                                | 83,900                                                                               | 70.3                                                                                    | 269.9                                                                                  | 65                                                                                     |  |
| 70  | 59.4                                                                                  | 262.0                                                                                | 66,500                                                                               | 62.7                                                                                  | 264.8                                                                                | 79,700                                                                               | 67.5                                                                                    | 267.9                                                                                  | 70                                                                                     |  |
| 75  | 56.3                                                                                  | 258.8                                                                                | 61,700                                                                               | 59.7                                                                                  | 262.0                                                                                | 74,200                                                                               | 64.7                                                                                    | 265.6                                                                                  | 75                                                                                     |  |
| 78  | 54.2                                                                                  | 256.6                                                                                | 59,100                                                                               | 57.2                                                                                  | 260.1                                                                                | 70,700                                                                               | 62.2                                                                                    | 264.0                                                                                  | 78                                                                                     |  |
| 80  | 53.0                                                                                  | 255.1                                                                                | 57,300                                                                               | 56.6                                                                                  | 258.8                                                                                | 68,300                                                                               | 61.7                                                                                    | 263.0                                                                                  | 80                                                                                     |  |
| 85  | 49.7                                                                                  | 251.0                                                                                | 52,900                                                                               | 53.4                                                                                  | 255.2                                                                                | 63,200                                                                               | 58.7                                                                                    | 260.0                                                                                  | 85                                                                                     |  |
| 90  | 46.1                                                                                  | 246.4                                                                                | 49,200                                                                               | 50.1                                                                                  | 251.2                                                                                | 58,700                                                                               | 55.6                                                                                    | 256.7                                                                                  | 90                                                                                     |  |
| 95  | 42.4                                                                                  | 241.2                                                                                | 45,900                                                                               | 46.5                                                                                  | 246.6                                                                                | 54,800                                                                               | 52.3                                                                                    | 253.0                                                                                  | 95                                                                                     |  |
| 100 | 38.3                                                                                  | 235.1                                                                                | 42,900                                                                               | 42.8                                                                                  | 241.4                                                                                | 51,200                                                                               | 48.9                                                                                    | 248.8                                                                                  | 100                                                                                    |  |
| 105 | 33.8                                                                                  | 228.1                                                                                | 40,400                                                                               | 38.8                                                                                  | 235.5                                                                                | 48,000                                                                               | 45.3                                                                                    | 244.0                                                                                  | 105                                                                                    |  |
| 110 | 28.6                                                                                  | 219.6                                                                                | 38,200                                                                               | 34.3                                                                                  | 228.6                                                                                | 45,000                                                                               | 41.5                                                                                    | 238.6                                                                                  | 110                                                                                    |  |
| 115 | 22.4                                                                                  | 208.8                                                                                | 36,600                                                                               | 29.3                                                                                  | 220.3                                                                                | 42,400                                                                               | 37.3                                                                                    | 232.4                                                                                  | 115                                                                                    |  |
| 120 | 13.7                                                                                  | 192.8                                                                                | 35,900                                                                               | 23.2                                                                                  | 209.8                                                                                | 40,200                                                                               | 32.7                                                                                    | 225.1                                                                                  | 120                                                                                    |  |
| 122 | 7.8                                                                                   | 181.6                                                                                | 35,900                                                                               | 19.4                                                                                  | 203.8                                                                                | 39,300                                                                               | 30.0                                                                                    | 221.5                                                                                  | 122                                                                                    |  |
| 125 |                                                                                       |                                                                                      |                                                                                      | 15.0                                                                                  | 194.8                                                                                | 38,000                                                                               | 27.4                                                                                    | 216.2                                                                                  | 125                                                                                    |  |
| 128 |                                                                                       |                                                                                      |                                                                                      | 5.6                                                                                   | 177.2                                                                                | 36,700                                                                               | 22.8                                                                                    | 209.2                                                                                  | 128                                                                                    |  |
| 130 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 20.8                                                                                    | 204.6                                                                                  | 130                                                                                    |  |
| 135 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 10.9                                                                                    | 186.2                                                                                  | 135                                                                                    |  |
| 136 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.3                                                                                     | 179.5                                                                                  | 136                                                                                    |  |
| 140 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 140                                                                                    |  |
| 142 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 142                                                                                    |  |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 145                                                                                    |  |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 150                                                                                    |  |
| 155 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 155                                                                                    |  |
| 158 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 158                                                                                    |  |
| 160 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 160                                                                                    |  |
| 165 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 165                                                                                    |  |
| 170 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 170                                                                                    |  |
| 171 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 171                                                                                    |  |
| 175 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 175                                                                                    |  |
| 180 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 180                                                                                    |  |
| 184 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        | 184                                                                                    |  |

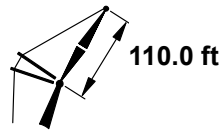
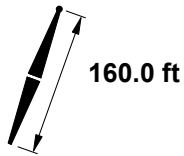


# MLC250 S-2

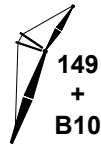
ASME B30.5



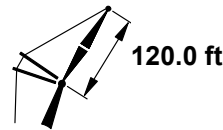
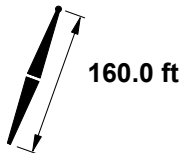
184,600 lb  
+  
44,000 lb

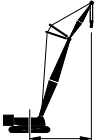
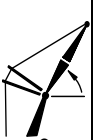
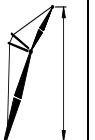
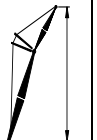
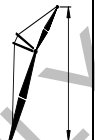
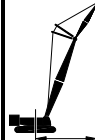


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  | 67.7 | 266.6 | 63,300 |      |       |        |      |       |        |      |       |        | 78  |
| 80  | 66.5 | 265.7 | 61,200 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 63.6 | 263.4 | 56,600 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 60.7 | 260.6 | 52,500 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 57.6 | 257.6 | 48,900 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 54.5 | 254.1 | 45,700 | 62.8 | 259.4 | 41,200 |      |       |        |      |       |        | 100 |
| 105 | 51.2 | 250.2 | 42,900 | 59.8 | 256.6 | 38,600 |      |       |        |      |       |        | 105 |
| 110 | 47.7 | 245.8 | 40,300 | 56.7 | 253.4 | 36,200 |      |       |        |      |       |        | 110 |
| 115 | 44.0 | 240.9 | 38,000 | 53.5 | 249.8 | 34,100 |      |       |        |      |       |        | 115 |
| 120 | 40.1 | 235.2 | 35,800 | 50.2 | 245.8 | 32,200 |      |       |        |      |       |        | 120 |
| 122 | 38.0 | 232.6 | 35,000 | 48.4 | 244.0 | 31,400 | 57.5 | 249.9 | 27,900 |      |       |        | 122 |
| 125 | 35.8 | 228.6 | 33,900 | 46.7 | 241.3 | 30,400 | 55.6 | 247.8 | 26,900 |      |       |        | 125 |
| 128 | 32.0 | 223.9 | 32,800 | 43.6 | 238.2 | 29,400 | 53.2 | 245.6 | 26,000 |      |       |        | 128 |
| 130 | 31.0 | 220.8 | 32,100 | 42.9 | 236.1 | 28,700 | 52.4 | 244.1 | 25,500 |      |       |        | 130 |
| 135 | 25.3 | 211.2 | 30,400 | 38.9 | 230.2 | 27,200 | 49.0 | 239.9 | 24,100 |      |       |        | 135 |
| 136 | 23.6 | 208.6 | 30,100 | 37.2 | 228.8 | 26,900 | 47.4 | 239.0 | 23,800 |      |       |        | 136 |
| 140 | 18.0 | 198.2 | 28,800 | 34.5 | 223.3 | 25,800 | 45.4 | 235.2 | 22,800 |      |       |        | 140 |
| 142 | 11.2 | 185.5 | 28,200 | 32.0 | 220.1 | 25,300 | 43.4 | 233.0 | 22,300 | 52.9 | 239.2 | 19,400 | 142 |
| 145 | 1.3  | 166.6 | 27,200 | 29.5 | 215.1 | 24,500 | 41.6 | 229.8 | 21,600 | 50.9 | 236.8 | 18,800 | 145 |
| 150 |      |       |        | 23.5 | 204.8 | 23,300 | 37.4 | 223.6 | 20,500 | 47.5 | 232.4 | 17,800 | 150 |
| 155 |      |       |        | 15.4 | 190.0 | 22,100 | 32.8 | 216.3 | 19,500 | 43.8 | 227.4 | 16,900 | 155 |
| 158 |      |       |        | 6.6  | 173.5 | 21,400 | 29.0 | 211.0 | 18,900 | 40.6 | 224.0 | 16,400 | 158 |
| 160 |      |       |        |      |       |        | 27.5 | 207.4 | 18,500 | 39.8 | 221.7 | 16,000 | 160 |
| 165 |      |       |        |      |       |        | 21.0 | 196.0 | 17,600 | 35.5 | 215.0 | 15,200 | 165 |
| 170 |      |       |        |      |       |        | 11.2 | 177.8 | 16,600 | 30.6 | 207.1 | 14,400 | 170 |
| 171 |      |       |        |      |       |        | 7.8  | 171.4 | 16,400 | 28.8 | 205.2 | 14,300 | 171 |
| 175 |      |       |        |      |       |        |      |       |        | 24.9 | 197.3 | 13,700 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 17.4 | 183.9 | 12,900 | 180 |
| 184 |      |       |        |      |       |        |      |       |        | 7.0  | 164.3 | 12,300 | 184 |



184,600 lb  
+  
44,000 lb



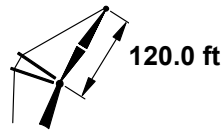
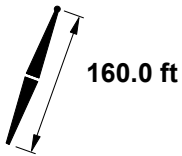
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 44                                                                                | 75.6                                                                                  | 283.9                                                                             | 73,300 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 44                                                                                  |
| 45                                                                                | 75.1                                                                                  | 283.6                                                                             | 72,900 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 45                                                                                  |
| 50                                                                                | 72.6                                                                                  | 282.1                                                                             | 72,100 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 53                                                                                | 70.8                                                                                  | 281.1                                                                             | 70,300 <b>b</b>                                                                   | 73.9                                                                                  | 282.6                                                                             | 85,600 <b>b</b>                                                                   |                                                                                         |                                                                                     |                                                                                     | 53                                                                                  |
| 55                                                                                | 70.1                                                                                  | 280.4                                                                             | 69,100                                                                            | 72.9                                                                                  | 281.9                                                                             | 85,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 67.5                                                                                  | 278.4                                                                             | 68,200                                                                            | 70.3                                                                                  | 280.2                                                                             | 83,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 64.9                                                                                  | 276.1                                                                             | 65,500                                                                            | 67.8                                                                                  | 278.2                                                                             | 81,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 67                                                                                | 63.2                                                                                  | 275.1                                                                             | 65,100                                                                            | 66.2                                                                                  | 277.3                                                                             | 79,200                                                                            | 71.0                                                                                    | 279.8                                                                               | 80,900                                                                              | 67                                                                                  |
| 70                                                                                | 62.2                                                                                  | 273.5                                                                             | 64,300                                                                            | 65.2                                                                                  | 276.0                                                                             | 76,500                                                                            | 69.5                                                                                    | 278.7                                                                               | 76,400                                                                              | 70                                                                                  |
| 75                                                                                | 59.4                                                                                  | 270.7                                                                             | 59,900                                                                            | 62.5                                                                                  | 273.5                                                                             | 71,900                                                                            | 66.9                                                                                    | 276.6                                                                               | 69,900                                                                              | 75                                                                                  |
| 80                                                                                | 56.6                                                                                  | 267.5                                                                             | 55,700                                                                            | 59.7                                                                                  | 270.6                                                                             | 67,200                                                                            | 64.3                                                                                    | 274.3                                                                               | 64,300                                                                              | 80                                                                                  |
| 82                                                                                | 54.8                                                                                  | 266.0                                                                             | 54,300                                                                            | 57.8                                                                                  | 269.4                                                                             | 65,500                                                                            | 62.8                                                                                    | 273.2                                                                               | 62,300                                                                              | 82                                                                                  |
| 85                                                                                | 53.7                                                                                  | 263.9                                                                             | 52,000                                                                            | 56.9                                                                                  | 267.5                                                                             | 62,800                                                                            | 61.6                                                                                    | 271.6                                                                               | 59,400                                                                              | 85                                                                                  |
| 90                                                                                | 50.6                                                                                  | 259.9                                                                             | 48,500                                                                            | 54.0                                                                                  | 264.0                                                                             | 58,300                                                                            | 58.8                                                                                    | 268.7                                                                               | 55,100                                                                              | 90                                                                                  |
| 95                                                                                | 47.4                                                                                  | 255.5                                                                             | 45,000                                                                            | 51.0                                                                                  | 260.0                                                                             | 54,400                                                                            | 56.0                                                                                    | 265.4                                                                               | 51,400                                                                              | 95                                                                                  |
| 100                                                                               | 44.0                                                                                  | 250.5                                                                             | 42,000                                                                            | 47.8                                                                                  | 255.6                                                                             | 50,800                                                                            | 53.0                                                                                    | 261.8                                                                               | 48,000                                                                              | 100                                                                                 |
| 105                                                                               | 40.4                                                                                  | 244.9                                                                             | 39,300                                                                            | 44.4                                                                                  | 250.7                                                                             | 47,400                                                                            | 49.9                                                                                    | 257.7                                                                               | 45,000                                                                              | 105                                                                                 |
| 110                                                                               | 36.6                                                                                  | 238.4                                                                             | 37,000                                                                            | 40.9                                                                                  | 245.2                                                                             | 44,300                                                                            | 46.7                                                                                    | 253.1                                                                               | 42,300                                                                              | 110                                                                                 |
| 115                                                                               | 32.3                                                                                  | 231.0                                                                             | 35,000                                                                            | 37.0                                                                                  | 238.9                                                                             | 41,500                                                                            | 43.3                                                                                    | 248.0                                                                               | 39,900                                                                              | 115                                                                                 |
| 120                                                                               | 27.4                                                                                  | 222.0                                                                             | 33,300                                                                            | 32.8                                                                                  | 231.5                                                                             | 39,100                                                                            | 39.6                                                                                    | 242.2                                                                               | 37,600                                                                              | 120                                                                                 |
| 125                                                                               | 21.4                                                                                  | 210.7                                                                             | 32,100                                                                            | 28.0                                                                                  | 222.8                                                                             | 37,000                                                                            | 35.7                                                                                    | 235.6                                                                               | 35,600                                                                              | 125                                                                                 |
| 127                                                                               | 17.8                                                                                  | 204.0                                                                             | 31,900                                                                            | 25.0                                                                                  | 218.4                                                                             | 36,400                                                                            | 33.4                                                                                    | 232.5                                                                               | 34,800                                                                              | 127                                                                                 |
| 130                                                                               | 13.1                                                                                  | 194.0                                                                             | 31,600                                                                            | 22.2                                                                                  | 211.8                                                                             | 35,400                                                                            | 31.2                                                                                    | 227.9                                                                               | 33,700                                                                              | 130                                                                                 |
| 132                                                                               | 7.4                                                                                   | 182.2                                                                             | 31,600                                                                            | 18.8                                                                                  | 205.5                                                                             | 34,800                                                                            | 29.0                                                                                    | 224.1                                                                               | 33,000                                                                              | 132                                                                                 |
| 135                                                                               |                                                                                       |                                                                                   |                                                                                   | 14.3                                                                                  | 196.1                                                                             | 33,900                                                                            | 26.2                                                                                    | 218.5                                                                               | 31,900                                                                              | 135                                                                                 |
| 138                                                                               |                                                                                       |                                                                                   |                                                                                   | 5.4                                                                                   | 177.6                                                                             | 32,700                                                                            | 21.8                                                                                    | 211.2                                                                               | 31,000                                                                              | 138                                                                                 |
| 140                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 19.9                                                                                    | 206.4                                                                               | 30,300                                                                              | 140                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.4                                                                                    | 187.1                                                                               | 28,700                                                                              | 145                                                                                 |
| 146                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.0                                                                                     | 180.0                                                                               | 28,400                                                                              | 146                                                                                 |
| 148                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 148                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 150                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 155                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 168                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 168                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 181                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 181                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 194                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 194                                                                                 |

# MLC250 S-2

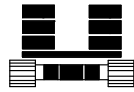
ASME B30.5



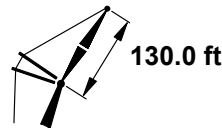
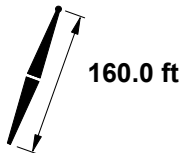
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 82  | 67.6 | 275.8 | 58,700 |      |       |        |      |       |        |      |       |        | 82  |
| 85  | 66.0 | 274.5 | 56,000 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 63.3 | 272.0 | 52,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 60.6 | 269.3 | 48,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 57.8 | 266.2 | 45,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 54.9 | 262.8 | 42,400 | 62.6 | 268.1 | 38,000 |      |       |        |      |       |        | 105 |
| 110 | 51.9 | 259.0 | 39,800 | 59.8 | 265.3 | 35,600 |      |       |        |      |       |        | 110 |
| 115 | 48.8 | 254.8 | 37,500 | 57.0 | 262.1 | 33,500 |      |       |        |      |       |        | 115 |
| 120 | 45.5 | 250.1 | 35,400 | 54.1 | 258.6 | 31,600 |      |       |        |      |       |        | 120 |
| 125 | 42.0 | 244.7 | 33,400 | 51.1 | 254.7 | 29,800 |      |       |        |      |       |        | 125 |
| 127 | 40.4 | 242.3 | 32,700 | 49.4 | 252.9 | 29,200 | 57.7 | 258.5 | 25,700 |      |       |        | 127 |
| 130 | 38.3 | 238.7 | 31,600 | 47.9 | 250.3 | 28,200 | 56.0 | 256.5 | 24,800 |      |       |        | 130 |
| 132 | 36.4 | 235.9 | 31,000 | 45.8 | 248.4 | 27,600 | 54.8 | 255.1 | 24,300 |      |       |        | 132 |
| 135 | 34.2 | 231.7 | 30,000 | 44.6 | 245.4 | 26,700 | 53.1 | 252.9 | 23,500 |      |       |        | 135 |
| 138 | 31.0 | 226.8 | 29,100 | 42.2 | 242.1 | 25,900 | 50.6 | 250.5 | 22,700 |      |       |        | 138 |
| 140 | 29.6 | 223.5 | 28,400 | 41.0 | 239.9 | 25,300 | 50.0 | 248.8 | 22,200 |      |       |        | 140 |
| 145 | 24.2 | 213.3 | 27,000 | 37.2 | 233.6 | 24,000 | 46.8 | 244.3 | 21,000 |      |       |        | 145 |
| 146 | 22.6 | 210.6 | 26,700 | 36.0 | 232.1 | 23,800 | 45.4 | 243.3 | 20,800 |      |       |        | 146 |
| 148 | 19.8 | 205.1 | 26,200 | 34.0 | 229.2 | 23,300 | 44.2 | 241.2 | 20,400 | 52.9 | 247.2 | 17,500 | 148 |
| 150 | 17.2 | 199.7 | 25,600 | 32.9 | 226.3 | 22,800 | 43.3 | 239.2 | 20,000 | 51.7 | 245.7 | 17,200 | 150 |
| 155 | 1.2  | 166.6 | 24,200 | 28.2 | 217.6 | 21,700 | 39.7 | 233.4 | 18,900 | 48.6 | 241.4 | 16,300 | 155 |
| 160 |      |       |        | 22.4 | 206.7 | 20,600 | 35.7 | 226.8 | 18,000 | 45.3 | 236.6 | 15,400 | 160 |
| 165 |      |       |        | 14.7 | 191.3 | 19,600 | 31.3 | 219.1 | 17,100 | 41.8 | 231.2 | 14,600 | 165 |
| 168 |      |       |        | 6.3  | 174.1 | 18,900 | 28.0 | 213.5 | 16,600 | 39.2 | 227.6 | 14,100 | 168 |
| 170 |      |       |        |      |       |        | 26.3 | 209.8 | 16,200 | 38.0 | 225.1 | 13,800 | 170 |
| 175 |      |       |        |      |       |        | 20.1 | 197.7 | 15,400 | 33.9 | 218.1 | 13,100 | 175 |
| 180 |      |       |        |      |       |        | 10.7 | 178.7 | 14,600 | 29.2 | 209.7 | 12,400 | 180 |
| 181 |      |       |        |      |       |        | 7.4  | 172.0 | 14,400 | 27.8 | 207.7 | 12,300 | 181 |
| 185 |      |       |        |      |       |        |      |       |        | 23.8 | 199.4 | 11,800 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 16.6 | 185.4 | 11,100 | 190 |
| 194 |      |       |        |      |       |        |      |       |        | 6.7  | 164.9 | 10,600 | 194 |



184,600 lb  
+  
44,000 lb



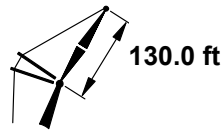
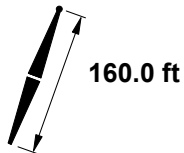
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 46  | 75.8 | 293.7 | 68,000 b |      |       |        |      |       |        | 46  |
| 50  | 74.0 | 292.6 | 66,900 b |      |       |        |      |       |        | 50  |
| 55  | 71.6 | 291.0 | 65,300   |      |       |        |      |       |        | 55  |
| 56  | 70.6 | 290.6 | 64,800   | 73.8 | 292.1 | 78,400 |      |       |        | 56  |
| 60  | 69.3 | 289.2 | 62,800   | 71.9 | 290.8 | 77,700 |      |       |        | 60  |
| 65  | 66.9 | 287.1 | 62,100   | 69.6 | 289.0 | 76,200 |      |       |        | 65  |
| 70  | 64.5 | 284.8 | 60,500   | 67.2 | 287.0 | 73,100 |      |       |        | 70  |
| 71  | 63.6 | 284.3 | 60,000   | 66.4 | 286.5 | 72,300 | 70.7 | 289.0 | 74,600 | 71  |
| 75  | 62.0 | 282.2 | 58,000   | 64.8 | 284.7 | 69,000 | 68.8 | 287.4 | 69,500 | 75  |
| 80  | 59.5 | 279.3 | 54,100   | 62.3 | 282.1 | 65,000 | 66.4 | 285.3 | 63,900 | 80  |
| 85  | 56.9 | 276.1 | 50,500   | 59.8 | 279.3 | 60,900 | 63.9 | 282.9 | 59,000 | 85  |
| 90  | 54.2 | 272.6 | 47,300   | 57.2 | 276.2 | 57,100 | 61.5 | 280.3 | 54,800 | 90  |
| 95  | 51.4 | 268.8 | 44,200   | 54.5 | 272.7 | 53,400 | 58.9 | 277.4 | 51,000 | 95  |
| 100 | 48.5 | 264.5 | 41,200   | 51.7 | 268.9 | 49,900 | 56.3 | 274.1 | 47,700 | 100 |
| 105 | 45.4 | 259.7 | 38,500   | 48.8 | 264.6 | 46,800 | 53.6 | 270.5 | 44,700 | 105 |
| 109 | 42.6 | 255.4 | 36,700   | 45.6 | 260.8 | 44,400 | 50.6 | 267.4 | 42,500 | 109 |
| 110 | 42.2 | 254.4 | 36,200   | 45.8 | 259.9 | 43,800 | 50.7 | 266.6 | 42,000 | 110 |
| 115 | 38.8 | 248.4 | 34,100   | 42.6 | 254.7 | 40,900 | 47.8 | 262.2 | 39,500 | 115 |
| 120 | 35.1 | 241.6 | 32,200   | 39.2 | 248.8 | 38,400 | 44.7 | 257.3 | 37,300 | 120 |
| 125 | 30.9 | 233.7 | 30,600   | 35.5 | 242.1 | 36,200 | 41.5 | 251.8 | 35,300 | 125 |
| 130 | 26.3 | 224.3 | 29,200   | 31.4 | 234.3 | 34,200 | 38.0 | 245.7 | 33,400 | 130 |
| 132 | 23.6 | 219.6 | 28,800   | 29.0 | 230.7 | 33,500 | 35.8 | 242.9 | 32,700 | 132 |
| 135 | 20.6 | 212.5 | 28,300   | 26.8 | 225.2 | 32,500 | 34.2 | 238.7 | 31,700 | 135 |
| 140 | 12.6 | 195.0 | 27,900   | 21.3 | 213.6 | 31,200 | 30.0 | 230.5 | 30,100 | 140 |
| 142 | 7.1  | 182.8 | 27,900   | 17.8 | 207.1 | 30,900 | 27.4 | 226.6 | 29,500 | 142 |
| 145 |      |       |          | 13.7 | 197.2 | 30,400 | 25.1 | 220.7 | 28,600 | 145 |
| 148 |      |       |          | 5.1  | 178.0 | 29,200 | 21.4 | 213.1 | 27,700 | 148 |
| 150 |      |       |          |      |       |        | 19.1 | 208.0 | 27,200 | 150 |
| 154 |      |       |          |      |       |        | 11.0 | 191.9 | 26,100 | 154 |
| 155 |      |       |          |      |       |        | 10.0 | 187.9 | 25,800 | 155 |
| 156 |      |       |          |      |       |        | 6.7  | 180.6 | 25,500 | 156 |
| 160 |      |       |          |      |       |        |      |       |        | 160 |
| 165 |      |       |          |      |       |        |      |       |        | 165 |
| 170 |      |       |          |      |       |        |      |       |        | 170 |
| 175 |      |       |          |      |       |        |      |       |        | 175 |
| 178 |      |       |          |      |       |        |      |       |        | 178 |
| 180 |      |       |          |      |       |        |      |       |        | 180 |
| 185 |      |       |          |      |       |        |      |       |        | 185 |
| 190 |      |       |          |      |       |        |      |       |        | 190 |
| 191 |      |       |          |      |       |        |      |       |        | 191 |
| 195 |      |       |          |      |       |        |      |       |        | 195 |
| 200 |      |       |          |      |       |        |      |       |        | 200 |
| 204 |      |       |          |      |       |        |      |       |        | 204 |

# MLC250 S-2

ASME B30.5



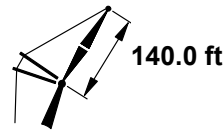
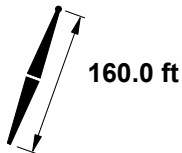
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 68.0 | 285.4 | 55,600 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.5 | 283.2 | 51,600 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.1 | 280.7 | 48,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 60.6 | 278.0 | 44,800 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 58.0 | 274.9 | 42,000 |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 55.4 | 272.2 | 39,900 | 62.9 | 277.3 | 35,700 |      |       |        |      |       |        | 109 |
| 110 | 55.3 | 271.6 | 39,400 | 62.4 | 276.7 | 35,200 |      |       |        |      |       |        | 110 |
| 115 | 52.6 | 267.8 | 37,100 | 59.9 | 273.9 | 33,100 |      |       |        |      |       |        | 115 |
| 120 | 49.7 | 263.7 | 35,000 | 57.3 | 270.8 | 31,200 |      |       |        |      |       |        | 120 |
| 125 | 46.8 | 259.2 | 33,100 | 54.6 | 267.3 | 29,400 |      |       |        |      |       |        | 125 |
| 130 | 43.6 | 254.1 | 31,300 | 51.8 | 263.5 | 27,800 |      |       |        |      |       |        | 130 |
| 132 | 41.8 | 251.8 | 30,600 | 49.8 | 261.8 | 27,200 | 57.9 | 267.2 | 23,800 |      |       |        | 132 |
| 135 | 40.3 | 248.4 | 29,700 | 48.9 | 259.3 | 26,300 | 56.3 | 265.2 | 23,000 |      |       |        | 135 |
| 140 | 36.7 | 242.0 | 28,100 | 45.9 | 254.6 | 24,900 | 53.6 | 261.7 | 21,800 |      |       |        | 140 |
| 142 | 34.4 | 239.1 | 27,600 | 43.8 | 252.5 | 24,400 | 51.8 | 260.1 | 21,300 |      |       |        | 142 |
| 145 | 32.8 | 234.7 | 26,700 | 42.7 | 249.4 | 23,700 | 50.8 | 257.7 | 20,600 |      |       |        | 145 |
| 148 | 29.6 | 229.5 | 25,900 | 40.2 | 245.8 | 22,900 | 48.2 | 255.1 | 20,000 |      |       |        | 148 |
| 150 | 28.4 | 226.0 | 25,400 | 39.3 | 243.5 | 22,500 | 47.9 | 253.3 | 19,600 |      |       |        | 150 |
| 154 | 24.0 | 217.5 | 24,400 | 35.8 | 238.2 | 21,600 | 44.6 | 249.4 | 18,700 | 53.0 | 255.2 | 16,000 | 154 |
| 155 | 23.2 | 215.4 | 24,200 | 35.6 | 236.8 | 21,300 | 44.8 | 248.4 | 18,500 | 52.4 | 254.5 | 15,800 | 155 |
| 156 | 21.6 | 212.5 | 23,900 | 34.2 | 235.3 | 21,100 | 43.4 | 247.4 | 18,400 | 51.4 | 253.6 | 15,600 | 156 |
| 160 | 16.5 | 201.1 | 23,000 | 31.6 | 229.1 | 20,300 | 41.5 | 243.0 | 17,600 | 49.5 | 250.3 | 15,000 | 160 |
| 165 | 1.1  | 166.6 | 21,800 | 27.0 | 220.0 | 19,300 | 38.1 | 236.9 | 16,700 | 46.6 | 245.7 | 14,200 | 165 |
| 170 |      |       |        | 21.5 | 208.6 | 18,400 | 34.3 | 229.9 | 15,900 | 43.4 | 240.6 | 13,400 | 170 |
| 175 |      |       |        | 14.1 | 192.5 | 17,400 | 30.1 | 221.8 | 15,100 | 40.1 | 234.9 | 12,700 | 175 |
| 178 |      |       |        | 6.0  | 174.5 | 16,900 | 27.0 | 215.9 | 14,600 | 37.6 | 231.0 | 12,300 | 178 |
| 180 |      |       |        |      |       |        | 25.2 | 212.0 | 14,300 | 36.5 | 228.4 | 12,100 | 180 |
| 185 |      |       |        |      |       |        | 19.2 | 199.4 | 13,600 | 32.5 | 221.0 | 11,400 | 185 |
| 190 |      |       |        |      |       |        | 10.2 | 179.6 | 12,900 | 28.1 | 212.2 | 10,700 | 190 |
| 191 |      |       |        |      |       |        | 7.1  | 172.6 | 12,700 | 26.8 | 210.1 | 10,600 | 191 |
| 195 |      |       |        |      |       |        |      |       |        | 22.8 | 201.4 | 10,100 | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 16.0 | 186.8 | 9,400  | 200 |
| 204 |      |       |        |      |       |        |      |       |        | 6.4  | 165.4 | 8,900  | 204 |



184,600 lb  
+  
44,000 lb



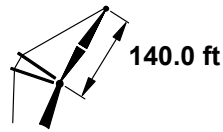
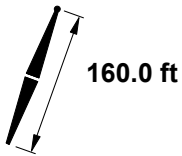
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 48  | 76.0 | 303.5 | 62,300 b |      |       |        |      |       |        | 48  |
| 50  | 75.1 | 303.0 | 61,000 b |      |       |        |      |       |        | 50  |
| 55  | 73.0 | 301.5 | 60,600   |      |       |        |      |       |        | 55  |
| 59  | 70.6 | 300.2 | 59,500   | 73.7 | 301.6 | 71,600 |      |       |        | 59  |
| 60  | 70.8 | 299.8 | 59,200   | 73.3 | 301.3 | 71,500 |      |       |        | 60  |
| 65  | 68.7 | 297.9 | 57,800   | 71.1 | 299.7 | 70,700 |      |       |        | 65  |
| 70  | 66.4 | 295.8 | 56,500   | 68.9 | 297.8 | 69,200 |      |       |        | 70  |
| 74  | 64.4 | 293.9 | 55,500   | 66.4 | 296.1 | 66,500 | 70.8 | 298.5 | 70,100 | 74  |
| 75  | 64.2 | 293.5 | 55,200   | 66.7 | 295.7 | 65,900 | 70.4 | 298.1 | 69,000 | 75  |
| 80  | 61.9 | 290.9 | 52,300   | 64.4 | 293.4 | 62,400 | 68.2 | 296.2 | 63,400 | 80  |
| 85  | 59.5 | 288.0 | 49,000   | 62.1 | 290.8 | 58,800 | 65.9 | 294.0 | 58,500 | 85  |
| 89  | 57.4 | 285.5 | 46,500   | 59.6 | 288.5 | 56,100 | 63.4 | 292.1 | 55,100 | 89  |
| 90  | 57.1 | 284.8 | 45,900   | 59.8 | 288.0 | 55,400 | 63.7 | 291.6 | 54,300 | 90  |
| 95  | 54.6 | 281.4 | 43,100   | 57.4 | 284.8 | 52,000 | 61.4 | 289.0 | 50,500 | 95  |
| 100 | 52.0 | 277.6 | 40,400   | 54.9 | 281.4 | 48,800 | 59.0 | 286.0 | 47,200 | 100 |
| 105 | 49.4 | 273.4 | 37,800   | 52.3 | 277.7 | 45,800 | 56.5 | 282.8 | 44,200 | 105 |
| 110 | 46.6 | 268.8 | 35,400   | 49.7 | 273.5 | 42,900 | 54.0 | 279.3 | 41,500 | 110 |
| 114 | 43.6 | 264.7 | 33,700   | 46.6 | 269.9 | 40,900 | 51.6 | 276.2 | 39,600 | 114 |
| 115 | 43.7 | 263.7 | 33,300   | 46.9 | 269.0 | 40,400 | 51.4 | 275.4 | 39,100 | 115 |
| 120 | 40.6 | 258.1 | 31,400   | 44.0 | 264.0 | 38,000 | 48.8 | 271.1 | 36,900 | 120 |
| 125 | 37.3 | 251.8 | 29,600   | 40.9 | 258.4 | 35,600 | 46.0 | 266.4 | 34,800 | 125 |
| 130 | 33.7 | 244.6 | 28,200   | 37.7 | 252.2 | 33,500 | 43.0 | 261.3 | 33,000 | 130 |
| 135 | 29.8 | 236.4 | 26,900   | 34.1 | 245.1 | 31,700 | 39.9 | 255.5 | 31,200 | 135 |
| 138 | 26.6 | 230.5 | 26,200   | 31.6 | 240.3 | 30,700 | 37.2 | 251.6 | 30,300 | 138 |
| 140 | 25.3 | 226.6 | 25,800   | 30.2 | 237.0 | 30,100 | 36.5 | 249.0 | 29,600 | 140 |
| 145 | 19.8 | 214.2 | 25,000   | 25.8 | 227.4 | 28,800 | 32.9 | 241.6 | 28,200 | 145 |
| 150 | 12.1 | 196.1 | 24,800   | 20.5 | 215.4 | 27,700 | 28.8 | 233.1 | 26,800 | 150 |
| 152 | 6.8  | 183.3 | 24,800   | 17.2 | 208.6 | 27,400 | 26.4 | 229.0 | 26,300 | 152 |
| 155 |      |       |          | 13.2 | 198.4 | 27,100 | 24.2 | 222.8 | 25,500 | 155 |
| 158 |      |       |          | 4.9  | 178.4 | 25,800 | 20.4 | 214.9 | 24,800 | 158 |
| 160 |      |       |          |      |       |        | 18.4 | 209.6 | 24,300 | 160 |
| 165 |      |       |          |      |       |        | 9.6  | 188.7 | 23,100 | 165 |
| 166 |      |       |          |      |       |        | 6.4  | 181.1 | 22,800 | 166 |
| 170 |      |       |          |      |       |        |      |       |        | 170 |
| 175 |      |       |          |      |       |        |      |       |        | 175 |
| 180 |      |       |          |      |       |        |      |       |        | 180 |
| 185 |      |       |          |      |       |        |      |       |        | 185 |
| 188 |      |       |          |      |       |        |      |       |        | 188 |
| 190 |      |       |          |      |       |        |      |       |        | 190 |
| 195 |      |       |          |      |       |        |      |       |        | 195 |
| 200 |      |       |          |      |       |        |      |       |        | 200 |
| 201 |      |       |          |      |       |        |      |       |        | 201 |
| 210 |      |       |          |      |       |        |      |       |        | 210 |
| 214 |      |       |          |      |       |        |      |       |        | 214 |

# MLC250 S-2

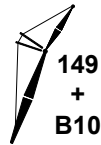
ASME B30.5



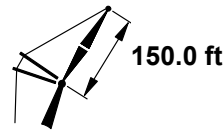
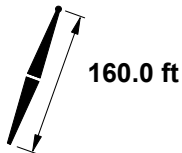
184,600 lb  
+  
44,000 lb

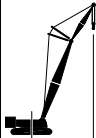
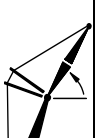
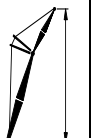
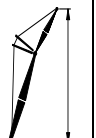
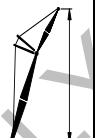
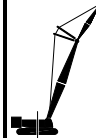


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 89  | 67.8 | 294.5 | 51,800 |      |       |        |      |       |        |      |       |        | 89  |
| 90  | 67.4 | 294.1 | 51,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 65.2 | 291.9 | 47,400 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.9 | 289.4 | 44,300 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 60.5 | 286.6 | 41,500 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 58.1 | 283.6 | 38,900 |      |       |        |      |       |        |      |       |        | 110 |
| 114 | 55.6 | 280.9 | 37,100 | 62.7 | 285.9 | 32,900 |      |       |        |      |       |        | 114 |
| 115 | 55.7 | 280.3 | 36,600 | 62.2 | 285.4 | 32,500 |      |       |        |      |       |        | 115 |
| 120 | 53.2 | 276.6 | 34,500 | 59.9 | 282.6 | 30,600 |      |       |        |      |       |        | 120 |
| 125 | 50.5 | 272.6 | 32,600 | 57.5 | 279.5 | 28,800 |      |       |        |      |       |        | 125 |
| 130 | 47.8 | 268.2 | 30,800 | 55.0 | 276.1 | 27,200 |      |       |        |      |       |        | 130 |
| 135 | 45.0 | 263.4 | 29,200 | 52.4 | 272.3 | 25,800 |      |       |        |      |       |        | 135 |
| 138 | 42.2 | 260.1 | 28,300 | 50.2 | 269.8 | 24,900 | 57.6 | 275.2 | 21,600 |      |       |        | 138 |
| 140 | 41.9 | 258.0 | 27,700 | 49.8 | 268.2 | 24,400 | 56.6 | 273.9 | 21,200 |      |       |        | 140 |
| 145 | 38.7 | 252.0 | 26,300 | 47.0 | 263.7 | 23,100 | 54.1 | 270.4 | 20,000 |      |       |        | 145 |
| 150 | 35.3 | 245.2 | 25,000 | 44.1 | 258.7 | 21,900 | 51.5 | 266.5 | 19,000 |      |       |        | 150 |
| 152 | 33.4 | 242.1 | 24,500 | 42.8 | 256.5 | 21,500 | 49.8 | 264.8 | 18,600 |      |       |        | 152 |
| 155 | 31.5 | 237.5 | 23,700 | 41.1 | 253.1 | 20,800 | 48.8 | 262.3 | 18,000 |      |       |        | 155 |
| 158 | 28.6 | 232.0 | 23,100 | 38.6 | 249.4 | 20,200 | 46.8 | 259.5 | 17,400 |      |       |        | 158 |
| 160 | 27.3 | 228.4 | 22,600 | 37.8 | 246.9 | 19,800 | 46.0 | 257.6 | 17,000 | 53.0 | 263.2 | 14,300 | 160 |
| 165 | 22.3 | 217.3 | 21,500 | 34.3 | 239.9 | 18,800 | 43.1 | 252.4 | 16,200 | 50.3 | 259.2 | 13,500 | 165 |
| 166 | 20.6 | 214.4 | 21,300 | 33.2 | 238.3 | 18,600 | 42.2 | 251.3 | 16,000 | 49.4 | 258.3 | 13,300 | 166 |
| 170 | 15.9 | 202.5 | 20,500 | 30.4 | 231.9 | 17,900 | 39.9 | 246.7 | 15,300 | 47.6 | 254.8 | 12,700 | 170 |
| 175 | 1.0  | 166.6 | 19,400 | 26.0 | 222.3 | 17,000 | 36.6 | 240.2 | 14,500 | 44.8 | 249.9 | 11,900 | 175 |
| 180 |      |       |        | 20.7 | 210.4 | 16,200 | 33.0 | 232.9 | 13,800 | 41.7 | 244.5 | 11,200 | 180 |
| 185 |      |       |        | 13.5 | 193.7 | 15,400 | 28.9 | 224.3 | 13,100 | 38.5 | 238.4 | 10,500 | 185 |
| 188 |      |       |        | 5.8  | 175.0 | 14,900 | 25.6 | 218.2 | 12,700 | 36.2 | 234.3 | 10,100 | 188 |
| 190 |      |       |        |      |       |        | 24.3 | 214.1 | 12,400 | 35.1 | 231.6 | 9,900  | 190 |
| 195 |      |       |        |      |       |        | 18.5 | 201.0 | 11,800 | 31.3 | 223.8 | 9,300  | 195 |
| 200 |      |       |        |      |       |        | 9.8  | 180.4 | 11,100 | 27.0 | 214.6 | 8,700  | 200 |
| 201 |      |       |        |      |       |        | 6.8  | 173.1 | 11,000 | 24.9 | 212.0 | 8,600  | 201 |
| 210 |      |       |        |      |       |        |      |       |        | 15.4 | 188.1 | 7,500  | 210 |
| 214 |      |       |        |      |       |        |      |       |        | 6.1  | 165.9 | 7,100  | 214 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 51                                                                                | 75.8                                                                                  | 313.1                                                                             | 57,100 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 51                                                                                  |
| 55                                                                                | 74.2                                                                                  | 312.0                                                                             | 56,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 72.2                                                                                  | 310.4                                                                             | 55,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 61                                                                                | 71.6                                                                                  | 310.1                                                                             | 54,800                                                                            | 74.0                                                                                  | 311.5                                                                             | 65,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 61                                                                                  |
| 65                                                                                | 70.1                                                                                  | 308.7                                                                             | 53,900                                                                            | 72.4                                                                                  | 310.2                                                                             | 65,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 68.1                                                                                  | 306.7                                                                             | 52,100                                                                            | 70.4                                                                                  | 308.5                                                                             | 64,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 66.0                                                                                  | 304.5                                                                             | 51,600                                                                            | 68.3                                                                                  | 306.6                                                                             | 62,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 77                                                                                | 64.8                                                                                  | 303.6                                                                             | 51,000                                                                            | 67.2                                                                                  | 305.7                                                                             | 61,400                                                                            | 70.9                                                                                    | 308.1                                                                               | 64,100                                                                              | 77                                                                                  |
| 80                                                                                | 63.9                                                                                  | 302.1                                                                             | 49,900                                                                            | 66.3                                                                                  | 304.4                                                                             | 59,700                                                                            | 69.7                                                                                    | 306.9                                                                               | 63,200                                                                              | 80                                                                                  |
| 85                                                                                | 61.7                                                                                  | 299.5                                                                             | 47,500                                                                            | 64.1                                                                                  | 302.1                                                                             | 56,600                                                                            | 67.6                                                                                    | 304.9                                                                               | 58,300                                                                              | 85                                                                                  |
| 90                                                                                | 59.5                                                                                  | 296.6                                                                             | 44,700                                                                            | 62.0                                                                                  | 299.5                                                                             | 53,500                                                                            | 65.6                                                                                    | 302.7                                                                               | 54,100                                                                              | 90                                                                                  |
| 93                                                                                | 57.8                                                                                  | 294.8                                                                             | 43,000                                                                            | 59.8                                                                                  | 297.7                                                                             | 51,700                                                                            | 63.8                                                                                    | 301.3                                                                               | 51,800                                                                              | 93                                                                                  |
| 95                                                                                | 57.3                                                                                  | 293.5                                                                             | 41,900                                                                            | 59.8                                                                                  | 296.6                                                                             | 50,600                                                                            | 63.4                                                                                    | 300.3                                                                               | 50,400                                                                              | 95                                                                                  |
| 100                                                                               | 55.0                                                                                  | 290.1                                                                             | 39,400                                                                            | 57.5                                                                                  | 293.5                                                                             | 47,600                                                                            | 61.3                                                                                    | 297.6                                                                               | 47,000                                                                              | 100                                                                                 |
| 105                                                                               | 52.6                                                                                  | 286.4                                                                             | 37,100                                                                            | 55.2                                                                                  | 290.1                                                                             | 44,900                                                                            | 59.0                                                                                    | 294.7                                                                               | 44,000                                                                              | 105                                                                                 |
| 110                                                                               | 50.1                                                                                  | 282.3                                                                             | 34,900                                                                            | 52.9                                                                                  | 286.4                                                                             | 42,100                                                                            | 56.8                                                                                    | 291.5                                                                               | 41,300                                                                              | 110                                                                                 |
| 115                                                                               | 47.6                                                                                  | 277.8                                                                             | 32,700                                                                            | 50.4                                                                                  | 282.4                                                                             | 39,600                                                                            | 54.5                                                                                    | 288.0                                                                               | 38,900                                                                              | 115                                                                                 |
| 118                                                                               | 45.2                                                                                  | 274.9                                                                             | 31,600                                                                            | 48.2                                                                                  | 279.8                                                                             | 38,300                                                                            | 52.8                                                                                    | 285.7                                                                               | 37,600                                                                              | 118                                                                                 |
| 120                                                                               | 44.9                                                                                  | 273.0                                                                             | 30,800                                                                            | 47.9                                                                                  | 278.0                                                                             | 37,400                                                                            | 52.1                                                                                    | 284.2                                                                               | 36,700                                                                              | 120                                                                                 |
| 125                                                                               | 42.1                                                                                  | 267.6                                                                             | 29,100                                                                            | 45.2                                                                                  | 273.2                                                                             | 35,200                                                                            | 49.6                                                                                    | 280.1                                                                               | 34,700                                                                              | 125                                                                                 |
| 130                                                                               | 39.1                                                                                  | 261.7                                                                             | 27,500                                                                            | 42.4                                                                                  | 267.9                                                                             | 33,100                                                                            | 47.0                                                                                    | 275.5                                                                               | 32,800                                                                              | 130                                                                                 |
| 135                                                                               | 36.0                                                                                  | 255.1                                                                             | 26,100                                                                            | 39.5                                                                                  | 262.0                                                                             | 31,300                                                                            | 44.3                                                                                    | 270.5                                                                               | 31,100                                                                              | 135                                                                                 |
| 140                                                                               | 32.5                                                                                  | 247.6                                                                             | 24,900                                                                            | 36.3                                                                                  | 255.5                                                                             | 29,600                                                                            | 41.5                                                                                    | 265.1                                                                               | 29,500                                                                              | 140                                                                                 |
| 143                                                                               | 29.6                                                                                  | 242.4                                                                             | 24,300                                                                            | 33.6                                                                                  | 251.1                                                                             | 28,700                                                                            | 39.2                                                                                    | 261.4                                                                               | 28,600                                                                              | 143                                                                                 |
| 145                                                                               | 28.7                                                                                  | 239.0                                                                             | 23,800                                                                            | 32.9                                                                                  | 248.1                                                                             | 28,100                                                                            | 38.5                                                                                    | 259.0                                                                               | 28,000                                                                              | 145                                                                                 |
| 150                                                                               | 24.4                                                                                  | 228.7                                                                             | 23,000                                                                            | 29.2                                                                                  | 239.6                                                                             | 26,700                                                                            | 35.2                                                                                    | 252.2                                                                               | 26,700                                                                              | 150                                                                                 |
| 155                                                                               | 19.1                                                                                  | 215.9                                                                             | 22,400                                                                            | 24.9                                                                                  | 229.6                                                                             | 25,600                                                                            | 31.7                                                                                    | 244.5                                                                               | 25,400                                                                              | 155                                                                                 |
| 160                                                                               | 11.7                                                                                  | 197.1                                                                             | 22,200                                                                            | 19.8                                                                                  | 217.2                                                                             | 24,800                                                                            | 27.8                                                                                    | 235.6                                                                               | 24,200                                                                              | 160                                                                                 |
| 162                                                                               | 6.6                                                                                   | 183.8                                                                             | 22,200                                                                            | 16.2                                                                                  | 210.1                                                                             | 24,600                                                                            | 25.4                                                                                    | 231.3                                                                               | 23,700                                                                              | 162                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   | 12.7                                                                                  | 199.4                                                                             | 24,300                                                                            | 23.3                                                                                    | 224.9                                                                               | 23,000                                                                              | 165                                                                                 |
| 166                                                                               |                                                                                       |                                                                                   |                                                                                   | 9.3                                                                                   | 192.5                                                                             | 23,900                                                                            | 21.8                                                                                    | 222.1                                                                               | 22,800                                                                              | 166                                                                                 |
| 168                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.7                                                                                   | 178.7                                                                             | 23,000                                                                            | 19.4                                                                                    | 216.7                                                                               | 22,400                                                                              | 168                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 17.7                                                                                    | 211.2                                                                               | 22,000                                                                              | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 9.2                                                                                     | 189.5                                                                               | 20,900                                                                              | 175                                                                                 |
| 176                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.2                                                                                     | 181.6                                                                               | 20,700                                                                              | 176                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 198                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 211                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 211                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 224                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 224                                                                                 |

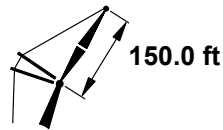
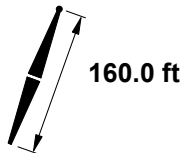


# MLC250 S-2

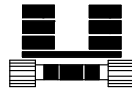
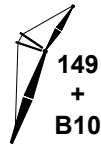
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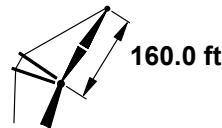
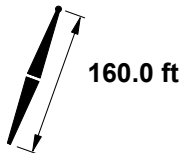
184,600 lb  
+  
44,000 lb

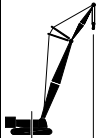
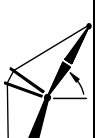
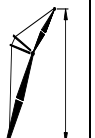
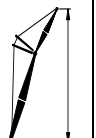
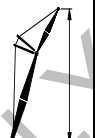
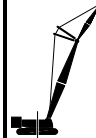


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 61  |      |       |        |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 77  |      |       |        |      |       |        |      |       |        |      |       |        | 77  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 67.8 | 303.7 | 48,600 |      |       |        |      |       |        |      |       |        | 93  |
| 95  | 66.9 | 302.8 | 47,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.8 | 300.6 | 44,100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.7 | 298.0 | 41,300 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 60.5 | 295.3 | 38,700 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 58.3 | 292.3 | 36,400 |      |       |        |      |       |        |      |       |        | 115 |
| 118 | 56.2 | 290.3 | 35,200 | 62.9 | 295.1 | 31,100 |      |       |        |      |       |        | 118 |
| 120 | 56.0 | 289.0 | 34,300 | 62.1 | 294.1 | 30,400 |      |       |        |      |       |        | 120 |
| 125 | 53.6 | 285.4 | 32,400 | 59.9 | 291.2 | 28,600 |      |       |        |      |       |        | 125 |
| 130 | 51.2 | 281.5 | 30,600 | 57.6 | 288.1 | 27,000 |      |       |        |      |       |        | 130 |
| 135 | 48.7 | 277.2 | 29,000 | 55.3 | 284.8 | 25,600 |      |       |        |      |       |        | 135 |
| 140 | 46.1 | 272.5 | 27,500 | 53.0 | 281.1 | 24,200 |      |       |        |      |       |        | 140 |
| 143 | 44.2 | 269.4 | 26,700 | 50.8 | 278.7 | 23,400 | 57.7 | 283.9 | 20,300 |      |       |        | 143 |
| 145 | 43.3 | 267.4 | 26,100 | 50.5 | 277.1 | 22,900 | 56.8 | 282.6 | 19,800 |      |       |        | 145 |
| 150 | 40.4 | 261.7 | 24,800 | 48.0 | 272.7 | 21,800 | 54.5 | 279.1 | 18,800 |      |       |        | 150 |
| 155 | 37.4 | 255.4 | 23,600 | 45.3 | 267.9 | 20,700 | 52.1 | 275.3 | 17,800 |      |       |        | 155 |
| 160 | 34.1 | 248.3 | 22,500 | 42.5 | 262.6 | 19,600 | 49.6 | 271.2 | 16,800 |      |       |        | 160 |
| 162 | 32.4 | 245.1 | 22,000 | 40.8 | 260.3 | 19,300 | 48.2 | 269.4 | 16,500 |      |       |        | 162 |
| 165 | 30.4 | 240.2 | 21,400 | 39.6 | 256.8 | 18,700 | 47.0 | 266.7 | 16,000 |      |       |        | 165 |
| 166 | 29.2 | 238.3 | 21,200 | 38.4 | 255.4 | 18,500 | 46.4 | 265.7 | 15,800 | 53.0 | 271.2 | 13,000 | 166 |
| 168 | 27.6 | 234.5 | 20,800 | 37.2 | 252.8 | 18,100 | 45.2 | 263.7 | 15,500 | 51.5 | 269.6 | 12,700 | 168 |
| 170 | 26.3 | 230.8 | 20,400 | 36.5 | 250.2 | 17,800 | 44.4 | 261.7 | 15,200 | 51.0 | 268.1 | 12,400 | 170 |
| 175 | 21.5 | 219.2 | 19,400 | 33.1 | 242.9 | 16,900 | 41.5 | 256.2 | 14,400 | 48.5 | 263.7 | 11,600 | 175 |
| 176 | 19.8 | 216.1 | 19,300 | 32.2 | 241.2 | 16,700 | 40.4 | 255.0 | 14,200 | 47.4 | 262.8 | 11,500 | 176 |
| 180 | 15.3 | 203.8 | 18,500 | 29.3 | 234.5 | 16,100 | 38.5 | 250.2 | 13,700 | 45.9 | 259.0 | 10,900 | 180 |
| 185 | 1.0  | 166.6 | 17,500 | 25.1 | 224.5 | 15,300 | 35.3 | 243.4 | 13,000 | 43.1 | 253.9 | 10,300 | 185 |
| 190 |      |       |        | 20.0 | 212.2 | 14,600 | 31.8 | 235.7 | 12,300 | 40.2 | 248.2 | 9,600  | 190 |
| 198 |      |       |        | 5.6  | 175.4 | 13,400 | 24.6 | 220.1 | 11,300 | 34.4 | 237.4 | 8,700  | 198 |
| 200 |      |       |        |      |       |        | 23.4 | 216.2 | 11,100 | 33.8 | 234.7 | 8,400  | 200 |
| 210 |      |       |        |      |       |        | 9.5  | 181.2 | 9,900  | 26.0 | 216.9 | 7,400  | 210 |
| 211 |      |       |        |      |       |        | 6.6  | 173.7 | 9,800  | 24.8 | 214.2 | 7,300  | 211 |
| 220 |      |       |        |      |       |        |      |       |        | 14.8 | 189.4 | 6,300  | 220 |
| 224 |      |       |        |      |       |        |      |       |        | 5.9  | 166.3 | 5,900  | 224 |



184,600 lb  
+  
44,000 lb



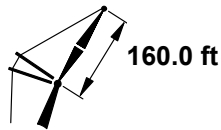
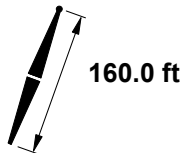
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 53                                                                                | 75.9                                                                                  | 322.9                                                                             | 52,200 b                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 53                                                                                  |
| 55                                                                                | 75.2                                                                                  | 322.4                                                                             | 51,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 73.3                                                                                  | 320.9                                                                             | 51,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 64                                                                                | 71.4                                                                                  | 319.6                                                                             | 50,200                                                                            | 73.9                                                                                  | 321.0                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 64                                                                                  |
| 65                                                                                | 71.4                                                                                  | 319.3                                                                             | 50,000                                                                            | 73.5                                                                                  | 320.7                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 69.5                                                                                  | 317.5                                                                             | 49,000                                                                            | 71.7                                                                                  | 319.1                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 67.6                                                                                  | 315.4                                                                             | 47,400                                                                            | 69.8                                                                                  | 317.3                                                                             | 58,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 65.6                                                                                  | 313.2                                                                             | 47,100                                                                            | 67.8                                                                                  | 315.3                                                                             | 56,900                                                                            | 71.0                                                                                    | 317.6                                                                               | 58,300                                                                              | 80                                                                                  |
| 85                                                                                | 63.7                                                                                  | 310.8                                                                             | 46,000                                                                            | 65.9                                                                                  | 313.1                                                                             | 54,400                                                                            | 69.1                                                                                    | 315.7                                                                               | 57,800                                                                              | 85                                                                                  |
| 90                                                                                | 61.6                                                                                  | 308.2                                                                             | 43,500                                                                            | 63.9                                                                                  | 310.7                                                                             | 51,800                                                                            | 67.2                                                                                    | 313.7                                                                               | 53,600                                                                              | 90                                                                                  |
| 95                                                                                | 59.6                                                                                  | 305.3                                                                             | 41,100                                                                            | 61.9                                                                                  | 308.1                                                                             | 49,200                                                                            | 65.2                                                                                    | 311.4                                                                               | 49,900                                                                              | 95                                                                                  |
| 97                                                                                | 58.2                                                                                  | 304.1                                                                             | 40,100                                                                            | 60.2                                                                                  | 307.0                                                                             | 48,100                                                                            | 64.2                                                                                    | 310.4                                                                               | 48,500                                                                              | 97                                                                                  |
| 100                                                                               | 57.5                                                                                  | 302.2                                                                             | 38,600                                                                            | 59.8                                                                                  | 305.3                                                                             | 46,500                                                                            | 63.2                                                                                    | 309.0                                                                               | 46,500                                                                              | 100                                                                                 |
| 105                                                                               | 55.3                                                                                  | 298.8                                                                             | 36,400                                                                            | 57.7                                                                                  | 302.2                                                                             | 44,100                                                                            | 61.2                                                                                    | 306.3                                                                               | 43,600                                                                              | 105                                                                                 |
| 110                                                                               | 53.1                                                                                  | 295.1                                                                             | 34,300                                                                            | 55.5                                                                                  | 298.8                                                                             | 41,600                                                                            | 59.1                                                                                    | 303.4                                                                               | 40,900                                                                              | 110                                                                                 |
| 115                                                                               | 50.8                                                                                  | 291.2                                                                             | 32,400                                                                            | 53.3                                                                                  | 295.2                                                                             | 39,300                                                                            | 57.0                                                                                    | 300.2                                                                               | 38,400                                                                              | 115                                                                                 |
| 120                                                                               | 48.4                                                                                  | 286.8                                                                             | 30,600                                                                            | 51.1                                                                                  | 291.3                                                                             | 37,000                                                                            | 54.8                                                                                    | 296.7                                                                               | 36,200                                                                              | 120                                                                                 |
| 123                                                                               | 46.2                                                                                  | 284.0                                                                             | 29,500                                                                            | 49.2                                                                                  | 288.7                                                                             | 35,700                                                                            | 52.8                                                                                    | 294.5                                                                               | 35,000                                                                              | 123                                                                                 |
| 125                                                                               | 46.0                                                                                  | 282.1                                                                             | 28,800                                                                            | 48.7                                                                                  | 287.0                                                                             | 34,900                                                                            | 52.6                                                                                    | 293.0                                                                               | 34,200                                                                              | 125                                                                                 |
| 130                                                                               | 43.4                                                                                  | 277.0                                                                             | 27,300                                                                            | 46.2                                                                                  | 282.3                                                                             | 33,100                                                                            | 50.3                                                                                    | 288.9                                                                               | 32,400                                                                              | 130                                                                                 |
| 135                                                                               | 40.7                                                                                  | 271.3                                                                             | 25,800                                                                            | 43.7                                                                                  | 277.2                                                                             | 31,300                                                                            | 47.9                                                                                    | 284.5                                                                               | 30,600                                                                              | 135                                                                                 |
| 140                                                                               | 37.8                                                                                  | 265.1                                                                             | 24,500                                                                            | 41.0                                                                                  | 271.6                                                                             | 29,500                                                                            | 45.4                                                                                    | 279.7                                                                               | 29,100                                                                              | 140                                                                                 |
| 145                                                                               | 34.8                                                                                  | 258.2                                                                             | 23,400                                                                            | 38.2                                                                                  | 265.5                                                                             | 27,900                                                                            | 42.8                                                                                    | 274.5                                                                               | 27,600                                                                              | 145                                                                                 |
| 148                                                                               | 32.2                                                                                  | 253.5                                                                             | 22,800                                                                            | 36.2                                                                                  | 261.4                                                                             | 27,100                                                                            | 40.8                                                                                    | 271.0                                                                               | 26,800                                                                              | 148                                                                                 |
| 150                                                                               | 31.5                                                                                  | 250.4                                                                             | 22,300                                                                            | 35.1                                                                                  | 258.7                                                                             | 26,500                                                                            | 40.1                                                                                    | 268.7                                                                               | 26,200                                                                              | 150                                                                                 |
| 155                                                                               | 27.8                                                                                  | 241.4                                                                             | 21,400                                                                            | 31.9                                                                                  | 251.0                                                                             | 25,200                                                                            | 37.2                                                                                    | 262.4                                                                               | 25,000                                                                              | 155                                                                                 |
| 160                                                                               | 23.6                                                                                  | 230.8                                                                             | 20,800                                                                            | 28.2                                                                                  | 242.2                                                                             | 24,100                                                                            | 34.1                                                                                    | 255.3                                                                               | 23,800                                                                              | 160                                                                                 |
| 165                                                                               | 18.5                                                                                  | 217.5                                                                             | 20,300                                                                            | 24.1                                                                                  | 231.8                                                                             | 23,200                                                                            | 30.7                                                                                    | 247.2                                                                               | 22,700                                                                              | 165                                                                                 |
| 170                                                                               | 11.3                                                                                  | 198.0                                                                             | 20,100                                                                            | 19.1                                                                                  | 218.8                                                                             | 22,500                                                                            | 26.9                                                                                    | 238.0                                                                               | 21,600                                                                              | 170                                                                                 |
| 172                                                                               | 6.3                                                                                   | 184.4                                                                             | 20,100                                                                            | 16.2                                                                                  | 211.5                                                                             | 22,300                                                                            | 24.4                                                                                    | 233.5                                                                               | 21,200                                                                              | 172                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   | 12.3                                                                                  | 200.5                                                                             | 22,100                                                                            | 22.6                                                                                    | 226.9                                                                               | 20,600                                                                              | 175                                                                                 |
| 178                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.6                                                                                   | 179.1                                                                             | 20,400                                                                            | 19.0                                                                                    | 218.3                                                                               | 20,000                                                                              | 178                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 17.2                                                                                    | 212.7                                                                               | 19,600                                                                              | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 8.9                                                                                     | 190.2                                                                               | 18,700                                                                              | 185                                                                                 |
| 186                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.0                                                                                     | 182.1                                                                               | 18,500                                                                              | 186                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 221                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 221                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 225                                                                                 |

# MLC250 S-2

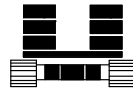
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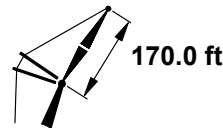
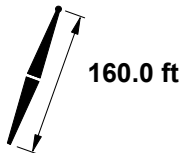
184,600 lb  
+  
44,000 lb

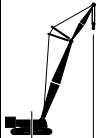
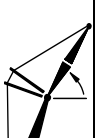
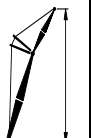
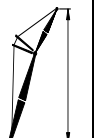
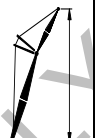
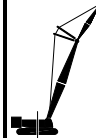


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 53  |      |       |        |      |       |        |      |       |        |      |       |        | 53  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 64  |      |       |        |      |       |        |      |       |        |      |       |        | 64  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |        | 95  |
| 97  | 67.7 | 312.9 | 45,400 |      |       |        |      |       |        |      |       |        | 97  |
| 100 | 66.5 | 311.6 | 43,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 64.5 | 309.2 | 40,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 62.5 | 306.7 | 38,200 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 60.5 | 303.9 | 35,900 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 58.4 | 300.9 | 33,800 |      |       |        |      |       |        |      |       |        | 120 |
| 123 | 56.8 | 299.0 | 32,700 | 62.8 | 303.8 | 28,700 |      |       |        |      |       |        | 123 |
| 125 | 56.2 | 297.7 | 31,900 | 61.9 | 302.7 | 28,100 |      |       |        |      |       |        | 125 |
| 130 | 54.0 | 294.1 | 30,100 | 59.9 | 299.9 | 26,500 |      |       |        |      |       |        | 130 |
| 135 | 51.8 | 290.3 | 28,500 | 57.8 | 296.8 | 25,000 |      |       |        |      |       |        | 135 |
| 140 | 49.5 | 286.1 | 27,000 | 55.6 | 293.5 | 23,600 |      |       |        |      |       |        | 140 |
| 145 | 47.0 | 281.6 | 25,600 | 53.4 | 289.8 | 22,400 |      |       |        |      |       |        | 145 |
| 148 | 45.2 | 278.6 | 24,900 | 51.8 | 287.5 | 21,700 | 57.9 | 292.6 | 18,600 |      |       |        | 148 |
| 150 | 44.5 | 276.6 | 24,300 | 51.1 | 285.9 | 21,200 | 57.0 | 291.3 | 18,200 |      |       |        | 150 |
| 155 | 41.9 | 271.2 | 23,100 | 48.8 | 281.6 | 20,100 | 54.9 | 287.9 | 17,200 |      |       |        | 155 |
| 160 | 39.1 | 265.2 | 22,000 | 46.3 | 277.0 | 19,100 | 52.6 | 284.1 | 16,300 |      |       |        | 160 |
| 165 | 36.1 | 258.6 | 21,000 | 43.8 | 271.9 | 18,200 | 50.3 | 280.1 | 15,400 |      |       |        | 165 |
| 170 | 32.9 | 251.3 | 20,000 | 41.1 | 266.4 | 17,300 | 47.9 | 275.7 | 14,600 |      |       |        | 170 |
| 172 | 30.8 | 247.9 | 19,600 | 39.8 | 263.9 | 16,900 | 46.2 | 273.8 | 14,300 | 53.0 | 279.2 | 11,200 | 172 |
| 175 | 29.4 | 242.8 | 19,000 | 38.3 | 260.2 | 16,400 | 45.5 | 270.9 | 13,800 | 51.6 | 276.9 | 10,700 | 175 |
| 178 | 26.6 | 236.9 | 18,500 | 36.2 | 256.2 | 15,900 | 43.2 | 267.7 | 13,400 | 49.8 | 274.4 | 10,300 | 178 |
| 180 | 25.5 | 233.0 | 18,100 | 35.3 | 253.4 | 15,600 | 42.9 | 265.7 | 13,100 | 49.3 | 272.7 | 10,000 | 180 |
| 185 | 20.8 | 221.1 | 17,300 | 32.0 | 245.8 | 14,800 | 40.1 | 259.9 | 12,400 | 46.9 | 268.1 | 9,400  | 185 |
| 186 | 18.8 | 217.9 | 17,100 | 30.4 | 244.0 | 14,700 | 39.4 | 258.6 | 12,300 | 45.6 | 267.1 | 9,300  | 186 |
| 190 | 14.8 | 205.1 | 16,500 | 28.4 | 237.0 | 14,100 | 37.2 | 253.6 | 11,800 | 44.3 | 263.1 | 8,800  | 190 |
| 195 | 0.9  | 166.6 | 15,600 | 24.3 | 226.7 | 13,400 | 34.1 | 246.5 | 11,100 | 41.7 | 257.7 | 8,200  | 195 |
| 200 |      |       |        | 19.3 | 213.9 | 12,800 | 30.8 | 238.5 | 10,500 | 38.9 | 251.7 | 7,600  | 200 |
| 205 |      |       |        | 12.6 | 195.9 | 12,100 | 27.0 | 229.2 | 9,800  | 35.9 | 245.0 | 7,100  | 205 |
| 208 |      |       |        | 5.4  | 175.9 | 11,700 | 23.6 | 222.6 | 9,500  | 33.2 | 240.6 | 6,800  | 208 |
| 210 |      |       |        |      |       |        | 22.7 | 218.2 | 9,300  | 32.7 | 237.6 | 6,600  | 210 |
| 220 |      |       |        |      |       |        | 9.2  | 182.0 | 8,100  | 25.2 | 219.2 | 5,600  | 220 |
| 221 |      |       |        |      |       |        | 6.4  | 174.2 | 8,000  | 24.0 | 216.7 | 5,500  | 221 |
| 225 |      |       |        |      |       |        |      |       |        | 20.5 | 207.0 | 5,100  | 225 |



184,600 lb  
+  
44,000 lb



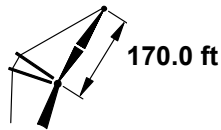
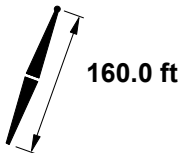
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 56                                                                                   | 75.7                                                                                  | 332.4                                                                                | 47,900                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 56                                                                                     |
| 60                                                                                   | 74.3                                                                                  | 331.3                                                                                | 47,300                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 72.6                                                                                  | 329.8                                                                                | 46,500                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 67                                                                                   | 71.2                                                                                  | 329.1                                                                                | 46,200                                                                               | 73.8                                                                                  | 330.6                                                                                | 54,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 67                                                                                     |
| 70                                                                                   | 70.8                                                                                  | 328.1                                                                                | 45,700                                                                               | 72.8                                                                                  | 329.6                                                                                | 54,700                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 69.0                                                                                  | 326.2                                                                                | 44,800                                                                               | 71.0                                                                                  | 327.9                                                                                | 54,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 67.2                                                                                  | 324.2                                                                                | 44,000                                                                               | 69.2                                                                                  | 326.1                                                                                | 53,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 84                                                                                   | 65.4                                                                                  | 322.4                                                                                | 42,900                                                                               | 67.4                                                                                  | 324.5                                                                                | 52,200                                                                               | 70.8                                                                                    | 326.8                                                                                  | 53,400                                                                                 | 84                                                                                     |
| 85                                                                                   | 65.3                                                                                  | 321.9                                                                                | 42,700                                                                               | 67.4                                                                                  | 324.1                                                                                | 51,800                                                                               | 70.4                                                                                    | 326.4                                                                                  | 53,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 63.4                                                                                  | 319.5                                                                                | 41,900                                                                               | 65.5                                                                                  | 321.8                                                                                | 49,600                                                                               | 68.6                                                                                    | 324.5                                                                                  | 53,200                                                                                 | 90                                                                                     |
| 95                                                                                   | 61.5                                                                                  | 316.8                                                                                | 39,700                                                                               | 63.7                                                                                  | 319.4                                                                                | 47,300                                                                               | 66.8                                                                                    | 322.4                                                                                  | 49,500                                                                                 | 95                                                                                     |
| 100                                                                                  | 59.6                                                                                  | 314.0                                                                                | 37,600                                                                               | 61.8                                                                                  | 316.8                                                                                | 45,000                                                                               | 64.9                                                                                    | 320.1                                                                                  | 46,100                                                                                 | 100                                                                                    |
| 105                                                                                  | 57.6                                                                                  | 310.9                                                                                | 35,600                                                                               | 59.8                                                                                  | 313.9                                                                                | 42,800                                                                               | 63.0                                                                                    | 317.6                                                                                  | 43,200                                                                                 | 105                                                                                    |
| 110                                                                                  | 55.6                                                                                  | 307.5                                                                                | 33,600                                                                               | 57.8                                                                                  | 310.9                                                                                | 40,500                                                                               | 61.1                                                                                    | 314.9                                                                                  | 40,500                                                                                 | 110                                                                                    |
| 115                                                                                  | 53.5                                                                                  | 303.9                                                                                | 31,700                                                                               | 55.8                                                                                  | 307.5                                                                                | 38,400                                                                               | 59.2                                                                                    | 312.0                                                                                  | 38,100                                                                                 | 115                                                                                    |
| 120                                                                                  | 51.4                                                                                  | 300.0                                                                                | 30,100                                                                               | 53.7                                                                                  | 303.9                                                                                | 36,400                                                                               | 57.2                                                                                    | 308.9                                                                                  | 35,900                                                                                 | 120                                                                                    |
| 125                                                                                  | 49.2                                                                                  | 295.8                                                                                | 28,400                                                                               | 51.6                                                                                  | 300.1                                                                                | 34,300                                                                               | 55.1                                                                                    | 305.4                                                                                  | 33,800                                                                                 | 125                                                                                    |
| 127                                                                                  | 47.8                                                                                  | 293.9                                                                                | 27,800                                                                               | 50.2                                                                                  | 298.4                                                                                | 33,600                                                                               | 54.2                                                                                    | 304.0                                                                                  | 33,100                                                                                 | 127                                                                                    |
| 130                                                                                  | 46.9                                                                                  | 291.2                                                                                | 26,900                                                                               | 49.4                                                                                  | 295.9                                                                                | 32,500                                                                               | 53.0                                                                                    | 301.8                                                                                  | 32,000                                                                                 | 130                                                                                    |
| 135                                                                                  | 44.5                                                                                  | 286.2                                                                                | 25,400                                                                               | 47.1                                                                                  | 291.4                                                                                | 30,700                                                                               | 50.9                                                                                    | 297.8                                                                                  | 30,300                                                                                 | 135                                                                                    |
| 140                                                                                  | 42.0                                                                                  | 280.8                                                                                | 24,100                                                                               | 44.8                                                                                  | 286.5                                                                                | 29,200                                                                               | 48.7                                                                                    | 293.5                                                                                  | 28,700                                                                                 | 140                                                                                    |
| 145                                                                                  | 39.4                                                                                  | 274.9                                                                                | 22,900                                                                               | 42.3                                                                                  | 281.1                                                                                | 27,600                                                                               | 46.4                                                                                    | 288.8                                                                                  | 27,300                                                                                 | 145                                                                                    |
| 150                                                                                  | 36.7                                                                                  | 268.4                                                                                | 21,800                                                                               | 39.7                                                                                  | 275.3                                                                                | 26,200                                                                               | 44.0                                                                                    | 283.8                                                                                  | 25,900                                                                                 | 150                                                                                    |
| 153                                                                                  | 34.2                                                                                  | 264.1                                                                                | 21,200                                                                               | 37.2                                                                                  | 271.4                                                                                | 25,400                                                                               | 41.8                                                                                    | 280.5                                                                                  | 25,100                                                                                 | 153                                                                                    |
| 155                                                                                  | 33.7                                                                                  | 261.2                                                                                | 20,900                                                                               | 37.0                                                                                  | 268.9                                                                                | 24,800                                                                               | 41.5                                                                                    | 278.3                                                                                  | 24,600                                                                                 | 155                                                                                    |
| 160                                                                                  | 30.5                                                                                  | 253.1                                                                                | 20,000                                                                               | 34.0                                                                                  | 261.7                                                                                | 23,700                                                                               | 38.8                                                                                    | 272.3                                                                                  | 23,400                                                                                 | 160                                                                                    |
| 165                                                                                  | 26.9                                                                                  | 243.8                                                                                | 19,300                                                                               | 30.9                                                                                  | 253.7                                                                                | 22,600                                                                               | 36.0                                                                                    | 265.6                                                                                  | 22,300                                                                                 | 165                                                                                    |
| 170                                                                                  | 22.8                                                                                  | 232.8                                                                                | 18,700                                                                               | 27.4                                                                                  | 244.6                                                                                | 21,700                                                                               | 33.0                                                                                    | 258.2                                                                                  | 21,300                                                                                 | 170                                                                                    |
| 175                                                                                  | 17.9                                                                                  | 219.0                                                                                | 18,300                                                                               | 23.4                                                                                  | 233.8                                                                                | 20,900                                                                               | 29.7                                                                                    | 249.9                                                                                  | 20,300                                                                                 | 175                                                                                    |
| 178                                                                                  | 12.8                                                                                  | 207.0                                                                                | 18,300                                                                               | 20.0                                                                                  | 225.8                                                                                | 20,600                                                                               | 27.2                                                                                    | 244.1                                                                                  | 19,700                                                                                 | 178                                                                                    |
| 180                                                                                  | 10.9                                                                                  | 198.9                                                                                | 18,300                                                                               | 18.5                                                                                  | 220.5                                                                                | 20,300                                                                               | 26.1                                                                                    | 240.3                                                                                  | 19,400                                                                                 | 180                                                                                    |
| 182                                                                                  | 6.1                                                                                   | 184.9                                                                                | 18,000                                                                               | 15.2                                                                                  | 212.9                                                                                | 20,200                                                                               | 24.0                                                                                    | 235.7                                                                                  | 19,000                                                                                 | 182                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      | 11.9                                                                                  | 201.5                                                                                | 19,900                                                                               | 21.9                                                                                    | 228.8                                                                                  | 18,500                                                                                 | 185                                                                                    |
| 188                                                                                  |                                                                                       |                                                                                      |                                                                                      | 4.4                                                                                   | 179.4                                                                                | 17,900                                                                               | 18.0                                                                                    | 220.0                                                                                  | 18,000                                                                                 | 188                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 16.6                                                                                    | 214.1                                                                                  | 17,600                                                                                 | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 8.6                                                                                     | 191.0                                                                                  | 16,800                                                                                 | 195                                                                                    |
| 196                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.8                                                                                     | 182.5                                                                                  | 16,600                                                                                 | 196                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 218                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 218                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 231                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 231                                                                                    |

# MLC250 S-2

ASME B30.5



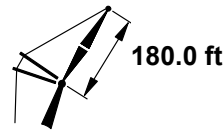
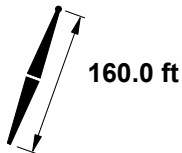
184,600 lb  
+  
44,000 lb

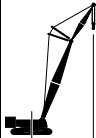
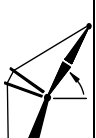
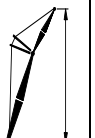
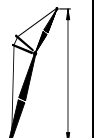
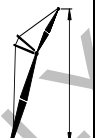
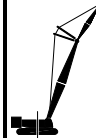


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 56  |      |       |        |      |       |        |      |       |        |      |       |       | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |       | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 84  |      |       |        |      |       |        |      |       |        |      |       |       | 84  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 | 68.0 | 322.5 | 43,100 |      |       |        |      |       |        |      |       |       | 100 |
| 105 | 66.1 | 320.3 | 40,300 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 64.3 | 317.9 | 37,800 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 62.4 | 315.4 | 35,500 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 60.4 | 312.6 | 33,400 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 58.5 | 309.6 | 31,500 |      |       |        |      |       |        |      |       |       | 125 |
| 127 | 57.2 | 308.3 | 30,800 | 63.0 | 313.0 | 27,000 |      |       |        |      |       |       | 127 |
| 130 | 56.5 | 306.3 | 29,700 | 61.8 | 311.4 | 26,000 |      |       |        |      |       |       | 130 |
| 135 | 54.4 | 302.8 | 28,100 | 59.9 | 308.6 | 24,600 |      |       |        |      |       |       | 135 |
| 140 | 52.3 | 299.1 | 26,600 | 57.9 | 305.5 | 23,200 |      |       |        |      |       |       | 140 |
| 145 | 50.1 | 295.0 | 25,300 | 55.9 | 302.2 | 22,000 |      |       |        |      |       |       | 145 |
| 150 | 47.9 | 290.6 | 24,000 | 53.8 | 298.6 | 20,800 |      |       |        |      |       |       | 150 |
| 153 | 45.8 | 287.7 | 23,300 | 51.8 | 296.3 | 20,200 | 58.0 | 301.3 | 17,100 |      |       |       | 153 |
| 155 | 45.5 | 285.8 | 22,800 | 51.7 | 294.7 | 19,700 | 57.2 | 300.0 | 16,700 |      |       |       | 155 |
| 160 | 43.1 | 280.6 | 21,700 | 49.5 | 290.6 | 18,700 | 55.2 | 296.6 | 15,800 |      |       |       | 160 |
| 165 | 40.6 | 274.9 | 20,600 | 47.2 | 286.0 | 17,800 | 53.1 | 292.9 | 15,000 |      |       |       | 165 |
| 170 | 37.9 | 268.7 | 19,600 | 44.9 | 281.1 | 16,900 | 50.9 | 288.9 | 14,200 |      |       |       | 170 |
| 175 | 35.0 | 261.8 | 18,700 | 42.4 | 275.8 | 16,000 | 48.7 | 284.6 | 13,400 |      |       |       | 175 |
| 178 | 32.6 | 257.2 | 18,200 | 40.2 | 272.3 | 15,500 | 46.8 | 281.8 | 12,900 | 53.0 | 287.2 | 9,700 | 178 |
| 180 | 31.9 | 254.1 | 17,800 | 39.8 | 270.0 | 15,200 | 46.4 | 280.0 | 12,600 | 52.2 | 285.7 | 9,400 | 180 |
| 182 | 29.8 | 250.6 | 17,500 | 38.2 | 267.4 | 14,900 | 45.2 | 278.0 | 12,300 | 50.8 | 284.0 | 9,100 | 182 |
| 185 | 28.5 | 245.4 | 17,000 | 37.1 | 263.6 | 14,500 | 44.0 | 275.0 | 11,900 | 50.0 | 281.6 | 8,800 | 185 |
| 188 | 25.6 | 239.3 | 16,500 | 35.2 | 259.3 | 14,100 | 42.2 | 271.7 | 11,500 | 47.8 | 278.9 | 8,400 | 188 |
| 190 | 24.7 | 235.2 | 16,200 | 34.2 | 256.5 | 13,800 | 41.5 | 269.5 | 11,200 | 47.7 | 277.1 | 8,200 | 190 |
| 195 | 20.2 | 222.8 | 15,400 | 31.0 | 248.5 | 13,100 | 38.9 | 263.5 | 10,500 | 45.4 | 272.3 | 7,600 | 195 |
| 196 | 18.8 | 219.5 | 15,300 | 29.4 | 246.7 | 13,000 | 37.6 | 262.1 | 10,400 | 44.4 | 271.3 | 7,500 | 196 |
| 200 | 14.4 | 206.3 | 14,700 | 27.5 | 239.5 | 12,400 | 36.1 | 256.8 | 9,900  | 42.9 | 267.1 | 7,000 | 200 |
| 205 | 0.9  | 166.6 | 13,900 | 23.5 | 228.8 | 11,800 | 33.1 | 249.5 | 9,300  | 40.4 | 261.4 | 6,500 | 205 |
| 210 |      |       |        | 18.7 | 215.5 | 11,200 | 29.8 | 241.1 | 8,700  | 37.7 | 255.1 | 6,000 | 210 |
| 218 |      |       |        | 5.2  | 176.3 | 10,200 | 22.6 | 224.3 | 7,800  | 32.2 | 243.4 | 5,200 | 218 |
| 220 |      |       |        |      |       |        | 22.0 | 220.1 | 7,600  | 31.7 | 240.4 | 5,100 | 220 |
| 230 |      |       |        |      |       |        | 8.9  | 182.7 | 6,600  |      |       |       | 230 |
| 231 |      |       |        |      |       |        | 6.1  | 174.7 | 6,400  |      |       |       | 231 |



184,600 lb  
+  
44,000 lb



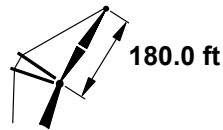
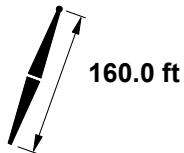
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 58                                                                                | 75.9                                                                                  | 342.3                                                                             | 44,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 58                                                                                  |
| 60                                                                                | 75.2                                                                                  | 341.7                                                                             | 43,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 73.6                                                                                  | 340.3                                                                             | 43,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 71.9                                                                                  | 338.7                                                                             | 42,400                                                                            | 73.8                                                                                  | 340.1                                                                             | 50,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 70.2                                                                                  | 336.9                                                                             | 41,700                                                                            | 72.1                                                                                  | 338.5                                                                             | 49,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 68.5                                                                                  | 335.0                                                                             | 41,000                                                                            | 70.4                                                                                  | 336.8                                                                             | 49,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 66.8                                                                                  | 332.9                                                                             | 40,200                                                                            | 68.7                                                                                  | 334.9                                                                             | 49,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 87                                                                                | 65.6                                                                                  | 332.0                                                                             | 40,000                                                                            | 67.2                                                                                  | 334.0                                                                             | 48,300                                                                            | 70.9                                                                                    | 336.3                                                                               | 48,600                                                                              | 87                                                                                  |
| 90                                                                                | 65.0                                                                                  | 330.6                                                                             | 39,600                                                                            | 67.0                                                                                  | 332.8                                                                             | 47,200                                                                            | 69.8                                                                                    | 335.2                                                                               | 48,600                                                                              | 90                                                                                  |
| 95                                                                                | 63.3                                                                                  | 328.2                                                                             | 38,300                                                                            | 65.2                                                                                  | 330.5                                                                             | 45,300                                                                            | 68.1                                                                                    | 333.3                                                                               | 48,600                                                                              | 95                                                                                  |
| 100                                                                               | 61.5                                                                                  | 325.5                                                                             | 36,400                                                                            | 63.5                                                                                  | 328.1                                                                             | 43,200                                                                            | 66.4                                                                                    | 331.1                                                                               | 45,700                                                                              | 100                                                                                 |
| 104                                                                               | 59.4                                                                                  | 323.2                                                                             | 34,800                                                                            | 61.4                                                                                  | 326.0                                                                             | 41,700                                                                            | 64.4                                                                                    | 329.3                                                                               | 43,300                                                                              | 104                                                                                 |
| 105                                                                               | 59.6                                                                                  | 322.6                                                                             | 34,400                                                                            | 61.7                                                                                  | 325.4                                                                             | 41,300                                                                            | 64.6                                                                                    | 328.8                                                                               | 42,700                                                                              | 105                                                                                 |
| 110                                                                               | 57.7                                                                                  | 319.5                                                                             | 32,600                                                                            | 59.8                                                                                  | 322.6                                                                             | 39,300                                                                            | 62.9                                                                                    | 326.3                                                                               | 40,000                                                                              | 110                                                                                 |
| 115                                                                               | 55.8                                                                                  | 316.2                                                                             | 30,900                                                                            | 58.0                                                                                  | 319.5                                                                             | 37,400                                                                            | 61.1                                                                                    | 323.6                                                                               | 37,600                                                                              | 115                                                                                 |
| 120                                                                               | 53.9                                                                                  | 312.6                                                                             | 29,300                                                                            | 56.1                                                                                  | 316.2                                                                             | 35,400                                                                            | 59.2                                                                                    | 320.7                                                                               | 35,400                                                                              | 120                                                                                 |
| 125                                                                               | 51.9                                                                                  | 308.8                                                                             | 27,700                                                                            | 54.1                                                                                  | 312.7                                                                             | 33,600                                                                            | 57.3                                                                                    | 317.5                                                                               | 33,400                                                                              | 125                                                                                 |
| 130                                                                               | 49.8                                                                                  | 304.7                                                                             | 26,400                                                                            | 52.1                                                                                  | 308.9                                                                             | 31,900                                                                            | 55.4                                                                                    | 314.2                                                                               | 31,500                                                                              | 130                                                                                 |
| 132                                                                               | 48.2                                                                                  | 302.9                                                                             | 25,800                                                                            | 51.2                                                                                  | 307.2                                                                             | 31,200                                                                            | 54.2                                                                                    | 312.7                                                                               | 30,800                                                                              | 132                                                                                 |
| 135                                                                               | 47.7                                                                                  | 300.2                                                                             | 25,000                                                                            | 50.0                                                                                  | 304.8                                                                             | 30,200                                                                            | 53.4                                                                                    | 310.5                                                                               | 29,800                                                                              | 135                                                                                 |
| 140                                                                               | 45.5                                                                                  | 295.4                                                                             | 23,600                                                                            | 47.9                                                                                  | 300.4                                                                             | 28,600                                                                            | 51.4                                                                                    | 306.6                                                                               | 28,300                                                                              | 140                                                                                 |
| 145                                                                               | 43.2                                                                                  | 290.2                                                                             | 22,500                                                                            | 45.7                                                                                  | 295.6                                                                             | 27,200                                                                            | 49.3                                                                                    | 302.4                                                                               | 26,800                                                                              | 145                                                                                 |
| 150                                                                               | 40.8                                                                                  | 284.6                                                                             | 21,400                                                                            | 43.4                                                                                  | 290.5                                                                             | 25,900                                                                            | 47.2                                                                                    | 297.9                                                                               | 25,400                                                                              | 150                                                                                 |
| 155                                                                               | 38.2                                                                                  | 278.4                                                                             | 20,400                                                                            | 41.1                                                                                  | 284.9                                                                             | 24,600                                                                            | 45.0                                                                                    | 293.0                                                                               | 24,200                                                                              | 155                                                                                 |
| 159                                                                               | 35.6                                                                                  | 273.0                                                                             | 19,700                                                                            | 38.6                                                                                  | 280.0                                                                             | 23,600                                                                            | 42.4                                                                                    | 288.8                                                                               | 23,200                                                                              | 159                                                                                 |
| 160                                                                               | 35.6                                                                                  | 271.7                                                                             | 19,500                                                                            | 38.5                                                                                  | 278.8                                                                             | 23,300                                                                            | 42.7                                                                                    | 287.7                                                                               | 23,000                                                                              | 160                                                                                 |
| 165                                                                               | 32.7                                                                                  | 264.2                                                                             | 18,700                                                                            | 35.9                                                                                  | 272.1                                                                             | 22,300                                                                            | 40.2                                                                                    | 282.0                                                                               | 21,900                                                                              | 165                                                                                 |
| 170                                                                               | 29.6                                                                                  | 255.8                                                                             | 18,000                                                                            | 33.0                                                                                  | 264.7                                                                             | 21,300                                                                            | 37.7                                                                                    | 275.7                                                                               | 20,900                                                                              | 170                                                                                 |
| 175                                                                               | 26.1                                                                                  | 246.1                                                                             | 17,400                                                                            | 30.0                                                                                  | 256.4                                                                             | 20,400                                                                            | 35.0                                                                                    | 268.8                                                                               | 19,900                                                                              | 175                                                                                 |
| 180                                                                               | 22.2                                                                                  | 234.8                                                                             | 16,900                                                                            | 26.6                                                                                  | 246.9                                                                             | 19,600                                                                            | 32.0                                                                                    | 261.1                                                                               | 18,900                                                                              | 180                                                                                 |
| 184                                                                               | 18.0                                                                                  | 223.4                                                                             | 16,600                                                                            | 22.8                                                                                  | 238.0                                                                             | 19,100                                                                            | 28.8                                                                                    | 254.2                                                                               | 18,200                                                                              | 184                                                                                 |
| 185                                                                               | 17.4                                                                                  | 220.5                                                                             | 16,600                                                                            | 22.7                                                                                  | 235.8                                                                             | 18,900                                                                            | 28.9                                                                                    | 252.5                                                                               | 18,100                                                                              | 185                                                                                 |
| 190                                                                               | 10.6                                                                                  | 199.8                                                                             | 16,600                                                                            | 18.0                                                                                  | 222.0                                                                             | 18,500                                                                            | 25.3                                                                                    | 242.5                                                                               | 17,200                                                                              | 190                                                                                 |
| 192                                                                               | 5.9                                                                                   | 185.4                                                                             | 15,600                                                                            | 14.6                                                                                  | 214.2                                                                             | 18,200                                                                            | 23.4                                                                                    | 237.8                                                                               | 16,900                                                                              | 192                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   | 11.6                                                                                  | 202.5                                                                             | 17,900                                                                            | 21.2                                                                                    | 230.7                                                                               | 16,400                                                                              | 195                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.3                                                                                   | 179.8                                                                             | 15,600                                                                            | 18.0                                                                                    | 221.6                                                                               | 16,000                                                                              | 198                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 16.1                                                                                    | 215.5                                                                               | 15,700                                                                              | 200                                                                                 |
| 206                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.6                                                                                     | 183.0                                                                               | 14,700                                                                              | 206                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 215                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 215                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 228                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 228                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 235                                                                                 |

# MLC250 S-2

ASME B30.5



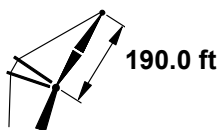
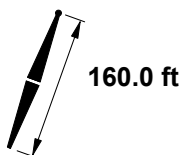
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 58  |      |       |        |      |       |        |      |       |        |      |       |       | 58  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 87  |      |       |        |      |       |        |      |       |        |      |       |       | 87  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 104 | 67.9 | 331.6 | 40,300 |      |       |        |      |       |        |      |       |       | 104 |
| 105 | 67.5 | 331.2 | 39,800 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 65.8 | 329.0 | 37,300 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 64.0 | 326.6 | 35,000 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 62.2 | 324.0 | 32,900 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 60.4 | 321.3 | 31,000 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 58.6 | 318.3 | 29,200 |      |       |        |      |       |        |      |       |       | 130 |
| 132 | 57.2 | 317.0 | 28,600 | 62.8 | 321.7 | 24,900 |      |       |        |      |       |       | 132 |
| 135 | 56.7 | 315.0 | 27,600 | 61.7 | 320.1 | 24,000 |      |       |        |      |       |       | 135 |
| 140 | 54.7 | 311.6 | 26,100 | 59.9 | 317.2 | 22,700 |      |       |        |      |       |       | 140 |
| 145 | 52.7 | 307.8 | 24,800 | 58.0 | 314.2 | 21,400 |      |       |        |      |       |       | 145 |
| 150 | 50.7 | 303.8 | 23,500 | 56.1 | 310.9 | 20,300 |      |       |        |      |       |       | 150 |
| 155 | 48.6 | 299.5 | 22,300 | 54.2 | 307.3 | 19,200 |      |       |        |      |       |       | 155 |
| 159 | 46.4 | 295.8 | 21,400 | 52.4 | 304.3 | 18,400 | 57.7 | 309.3 | 15,300 |      |       |       | 159 |
| 160 | 46.4 | 294.9 | 21,200 | 52.2 | 303.5 | 18,200 | 57.4 | 308.7 | 15,100 |      |       |       | 160 |
| 165 | 44.2 | 289.9 | 20,100 | 50.1 | 299.4 | 17,200 | 55.4 | 305.3 | 14,200 |      |       |       | 165 |
| 170 | 41.8 | 284.4 | 19,100 | 48.0 | 295.0 | 16,300 | 53.5 | 301.7 | 13,400 |      |       |       | 170 |
| 175 | 39.4 | 278.5 | 18,200 | 45.8 | 290.3 | 15,500 | 51.5 | 297.8 | 12,500 |      |       |       | 175 |
| 180 | 36.8 | 272.0 | 17,400 | 43.5 | 285.2 | 14,700 | 49.4 | 293.6 | 11,800 |      |       |       | 180 |
| 184 | 33.6 | 266.3 | 16,700 | 41.4 | 280.7 | 14,100 | 47.4 | 289.9 | 11,200 | 53.0 | 295.2 | 8,000 | 184 |
| 185 | 34.0 | 264.9 | 16,500 | 41.1 | 279.6 | 14,000 | 47.2 | 289.0 | 11,100 | 52.6 | 294.5 | 7,900 | 185 |
| 190 | 31.0 | 256.9 | 15,700 | 38.6 | 273.5 | 13,300 | 45.0 | 284.2 | 10,400 | 50.6 | 290.4 | 7,300 | 190 |
| 192 | 28.8 | 253.3 | 15,400 | 36.8 | 270.9 | 13,000 | 43.8 | 282.0 | 10,100 | 49.2 | 288.7 | 7,100 | 192 |
| 195 | 27.7 | 247.8 | 15,000 | 36.0 | 266.9 | 12,600 | 42.7 | 278.9 | 9,700  | 48.5 | 286.1 | 6,700 | 195 |
| 198 | 24.6 | 241.5 | 14,600 | 33.8 | 262.4 | 12,200 | 40.8 | 275.4 | 9,400  | 46.8 | 283.3 | 6,400 | 198 |
| 200 | 24.0 | 237.3 | 14,300 | 33.2 | 259.5 | 12,000 | 40.3 | 273.1 | 9,100  | 46.3 | 281.4 | 6,200 | 200 |
| 206 | 17.0 | 219.4 | 13,500 | 28.8 | 248.9 | 11,200 | 37.0 | 265.3 | 8,400  | 43.0 | 275.1 | 5,600 | 206 |
| 210 | 14.0 | 207.5 | 12,900 | 26.7 | 241.8 | 10,800 | 35.0 | 260.0 | 8,000  | 41.7 | 270.9 | 5,200 | 210 |
| 215 | 0.8  | 166.6 | 12,200 | 22.8 | 230.8 | 10,200 | 32.1 | 252.3 | 7,400  |      |       |       | 215 |
| 220 |      |       |        | 18.2 | 217.1 | 9,600  | 28.9 | 243.7 | 6,900  |      |       |       | 220 |
| 228 |      |       |        | 5.1  | 176.7 | 8,600  | 22.4 | 226.3 | 6,100  |      |       |       | 228 |
| 230 |      |       |        |      |       |        | 21.3 | 222.0 | 5,900  |      |       |       | 230 |
| 235 |      |       |        |      |       |        | 16.3 | 206.9 | 5,400  |      |       |       | 235 |



184,600 lb  
+  
44,000 lb

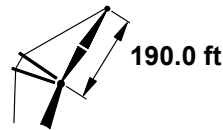
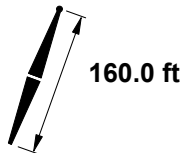


|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 60  | 76.0 | 352.1 | 40,400 |      |       |        |      |       |        | 60  |
| 65  | 74.5 | 350.7 | 40,000 |      |       |        |      |       |        | 65  |
| 70  | 72.9 | 349.2 | 39,400 |      |       |        |      |       |        | 70  |
| 72  | 71.6 | 348.5 | 39,100 | 74.0 | 349.9 | 46,100 |      |       |        | 72  |
| 75  | 71.3 | 347.6 | 38,800 | 73.1 | 349.0 | 45,900 |      |       |        | 75  |
| 80  | 69.7 | 345.7 | 38,100 | 71.5 | 347.4 | 45,700 |      |       |        | 80  |
| 85  | 68.1 | 343.8 | 37,500 | 69.9 | 345.6 | 45,300 |      |       |        | 85  |
| 90  | 66.4 | 341.6 | 36,900 | 68.3 | 343.6 | 44,800 | 70.9 | 345.9 | 44,400 | 90  |
| 95  | 64.8 | 339.3 | 36,300 | 66.6 | 341.5 | 43,100 | 69.3 | 344.0 | 44,400 | 95  |
| 100 | 63.1 | 336.8 | 35,100 | 65.0 | 339.2 | 41,400 | 67.7 | 342.0 | 44,300 | 100 |
| 105 | 61.4 | 334.2 | 33,300 | 63.3 | 336.8 | 39,700 | 66.1 | 339.9 | 42,500 | 105 |
| 108 | 59.8 | 332.4 | 32,400 | 61.8 | 335.2 | 38,600 | 64.8 | 338.4 | 40,900 | 108 |
| 110 | 59.6 | 331.3 | 31,700 | 61.6 | 334.1 | 38,000 | 64.4 | 337.5 | 39,800 | 110 |
| 115 | 57.9 | 328.2 | 30,100 | 59.8 | 331.3 | 36,200 | 62.7 | 335.0 | 37,400 | 115 |
| 120 | 56.1 | 324.9 | 28,600 | 58.1 | 328.2 | 34,500 | 61.0 | 332.3 | 35,200 | 120 |
| 125 | 54.2 | 321.4 | 27,100 | 56.3 | 324.9 | 32,800 | 59.3 | 329.3 | 33,200 | 125 |
| 130 | 52.3 | 317.6 | 25,800 | 54.4 | 321.4 | 31,200 | 57.5 | 326.2 | 31,300 | 130 |
| 135 | 50.4 | 313.5 | 24,500 | 52.5 | 317.7 | 29,700 | 55.7 | 322.9 | 29,600 | 135 |
| 136 | 49.6 | 312.7 | 24,300 | 51.6 | 316.9 | 29,400 | 54.6 | 322.1 | 29,300 | 136 |
| 140 | 48.4 | 309.2 | 23,300 | 50.6 | 313.6 | 28,200 | 53.8 | 319.3 | 28,000 | 140 |
| 145 | 46.3 | 304.5 | 22,200 | 48.6 | 309.3 | 26,800 | 51.9 | 315.4 | 26,600 | 145 |
| 150 | 44.2 | 299.5 | 21,000 | 46.6 | 304.7 | 25,500 | 49.9 | 311.3 | 25,200 | 150 |
| 155 | 42.0 | 294.1 | 20,000 | 44.4 | 299.7 | 24,300 | 47.9 | 306.9 | 24,000 | 155 |
| 160 | 39.6 | 288.2 | 19,100 | 42.2 | 294.3 | 23,100 | 45.9 | 302.2 | 22,800 | 160 |
| 164 | 37.4 | 283.1 | 18,400 | 39.6 | 289.7 | 22,200 | 43.4 | 298.1 | 21,900 | 164 |
| 165 | 37.2 | 281.8 | 18,200 | 39.9 | 288.5 | 22,000 | 43.7 | 297.0 | 21,700 | 165 |
| 170 | 34.6 | 274.8 | 17,500 | 37.5 | 282.2 | 20,900 | 41.5 | 291.5 | 20,700 | 170 |
| 175 | 31.8 | 267.0 | 16,800 | 34.9 | 275.3 | 20,000 | 39.1 | 285.5 | 19,700 | 175 |
| 180 | 28.8 | 258.3 | 16,200 | 32.1 | 267.6 | 19,200 | 36.6 | 279.0 | 18,800 | 180 |
| 185 | 25.4 | 248.4 | 15,800 | 29.1 | 259.0 | 18,400 | 34.0 | 271.9 | 17,900 | 185 |
| 190 | 21.6 | 236.7 | 15,400 | 25.8 | 249.2 | 17,800 | 31.2 | 263.9 | 17,100 | 190 |
| 195 | 16.9 | 222.0 | 15,100 | 22.0 | 237.8 | 17,200 | 28.1 | 255.0 | 16,300 | 195 |
| 200 | 10.3 | 200.7 | 15,100 | 17.5 | 223.5 | 16,800 | 24.6 | 244.7 | 15,500 | 200 |
| 202 | 5.8  | 185.8 | 13,700 | 14.6 | 215.5 | 16,500 | 22.4 | 239.8 | 15,200 | 202 |
| 205 |      |       |        | 11.3 | 203.5 | 16,100 | 20.6 | 232.5 | 14,800 | 205 |
| 208 |      |       |        | 4.2  | 180.1 | 13,700 | 17.0 | 223.1 | 14,400 | 208 |
| 210 |      |       |        |      |       |        | 15.7 | 216.9 | 14,100 | 210 |
| 215 |      |       |        |      |       |        | 8.1  | 192.4 | 13,400 | 215 |
| 216 |      |       |        |      |       |        | 5.4  | 183.4 | 13,300 | 216 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 225 |      |       |        |      |       |        |      |       |        | 225 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 235 |      |       |        |      |       |        |      |       |        | 235 |
| 238 |      |       |        |      |       |        |      |       |        | 238 |

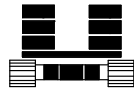




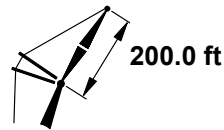
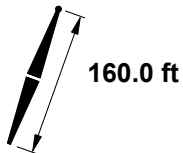
184,600 lb  
+  
44,000 lb

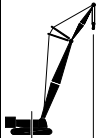
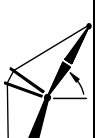
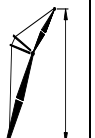
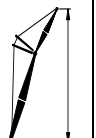
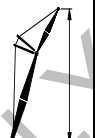
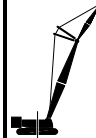


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft  |
| 60  |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 108 | 67.8 | 340.8 | 38,000 |      |       |        |      |       |        | 108 |
| 110 | 67.1 | 339.9 | 37,000 |      |       |        |      |       |        | 110 |
| 115 | 65.5 | 337.7 | 34,700 |      |       |        |      |       |        | 115 |
| 120 | 63.8 | 335.3 | 32,700 |      |       |        |      |       |        | 120 |
| 125 | 62.1 | 332.7 | 30,800 |      |       |        |      |       |        | 125 |
| 130 | 60.4 | 329.9 | 29,000 |      |       |        |      |       |        | 130 |
| 135 | 58.6 | 326.9 | 27,400 |      |       |        |      |       |        | 135 |
| 136 | 57.6 | 326.3 | 27,100 | 63.0 | 330.9 | 23,500 |      |       |        | 136 |
| 140 | 56.8 | 323.7 | 25,900 | 61.6 | 328.7 | 22,400 |      |       |        | 140 |
| 145 | 55.0 | 320.3 | 24,500 | 59.9 | 325.9 | 21,200 |      |       |        | 145 |
| 150 | 53.1 | 316.6 | 23,300 | 58.1 | 322.8 | 20,000 |      |       |        | 150 |
| 155 | 51.2 | 312.7 | 22,100 | 56.3 | 319.6 | 19,000 |      |       |        | 155 |
| 160 | 49.3 | 308.5 | 21,000 | 54.5 | 316.1 | 17,900 |      |       |        | 160 |
| 164 | 47.4 | 304.8 | 20,100 | 52.4 | 313.1 | 17,200 | 57.9 | 318.0 | 14,000 | 164 |
| 165 | 47.2 | 303.9 | 19,900 | 52.6 | 312.3 | 17,000 | 57.5 | 317.3 | 13,800 | 165 |
| 170 | 45.1 | 299.1 | 18,900 | 50.7 | 308.3 | 16,100 | 55.7 | 314.0 | 13,000 | 170 |
| 175 | 42.9 | 293.8 | 18,000 | 48.7 | 304.0 | 15,300 | 53.8 | 310.4 | 12,200 | 175 |
| 180 | 40.7 | 288.2 | 17,200 | 46.6 | 299.4 | 14,500 | 51.9 | 306.6 | 11,400 | 180 |
| 185 | 38.3 | 282.0 | 16,300 | 44.5 | 294.4 | 13,800 | 50.0 | 302.4 | 10,700 | 185 |
| 190 | 35.7 | 275.3 | 15,600 | 42.3 | 289.1 | 13,100 | 48.0 | 298.0 | 10,000 | 190 |
| 195 | 33.0 | 267.8 | 14,800 | 40.0 | 283.2 | 12,400 | 45.9 | 293.3 | 9,400  | 195 |
| 200 | 30.1 | 259.6 | 14,100 | 37.6 | 276.9 | 11,800 | 43.7 | 288.2 | 8,800  | 200 |
| 202 | 28.4 | 255.8 | 13,800 | 35.8 | 274.2 | 11,500 | 42.2 | 286.0 | 8,500  | 202 |
| 205 | 26.9 | 250.2 | 13,400 | 35.0 | 270.0 | 11,200 | 41.5 | 282.7 | 8,200  | 205 |
| 208 | 24.2 | 243.7 | 13,100 | 32.8 | 265.4 | 10,800 | 39.8 | 279.1 | 7,900  | 208 |
| 210 | 23.3 | 239.4 | 12,800 | 32.2 | 262.4 | 10,500 | 39.2 | 276.7 | 7,600  | 210 |
| 215 | 19.1 | 226.2 | 12,200 | 29.2 | 253.8 | 9,900  | 36.7 | 270.2 | 7,100  | 215 |
| 216 | 17.8 | 222.7 | 12,100 | 28.2 | 251.9 | 9,800  | 35.6 | 268.8 | 7,000  | 216 |
| 220 | 13.6 | 208.7 | 11,600 | 26.0 | 244.1 | 9,300  | 34.0 | 263.1 | 6,600  | 220 |
| 225 | 0.8  | 166.6 | 10,900 | 22.2 | 232.7 | 8,800  | 31.2 | 255.1 | 6,100  | 225 |
| 230 |      |       |        | 17.7 | 218.6 | 8,200  | 28.1 | 246.2 | 5,600  | 230 |
| 235 |      |       |        | 11.5 | 198.9 | 7,700  | 24.7 | 236.0 | 5,200  | 235 |
| 238 |      |       |        | 4.9  | 177.1 | 7,300  |      |       |        | 238 |



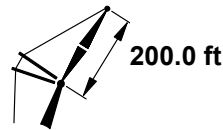
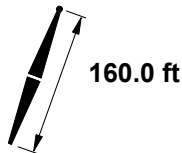
184,600 lb  
+  
44,000 lb



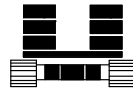
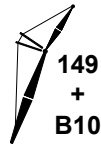
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 63                                                                                | 75.8                                                                                  | 361.6                                                                             | 37,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 63                                                                                  |
| 65                                                                                | 75.3                                                                                  | 361.1                                                                             | 36,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 73.8                                                                                  | 359.7                                                                             | 36,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 72.3                                                                                  | 358.1                                                                             | 36,000                                                                            | 73.9                                                                                  | 359.5                                                                             | 42,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 70.8                                                                                  | 356.4                                                                             | 35,400                                                                            | 72.4                                                                                  | 357.9                                                                             | 41,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 69.2                                                                                  | 354.5                                                                             | 34,900                                                                            | 70.9                                                                                  | 356.2                                                                             | 41,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 67.7                                                                                  | 352.5                                                                             | 34,300                                                                            | 69.4                                                                                  | 354.4                                                                             | 41,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 93                                                                                | 66.4                                                                                  | 351.2                                                                             | 34,000                                                                            | 67.8                                                                                  | 353.2                                                                             | 41,000                                                                            | 71.0                                                                                    | 355.4                                                                               | 40,400                                                                              | 93                                                                                  |
| 95                                                                                | 66.1                                                                                  | 350.4                                                                             | 33,800                                                                            | 67.9                                                                                  | 352.4                                                                             | 40,900                                                                            | 70.4                                                                                    | 354.7                                                                               | 40,400                                                                              | 95                                                                                  |
| 100                                                                               | 64.5                                                                                  | 348.0                                                                             | 33,300                                                                            | 66.3                                                                                  | 350.2                                                                             | 39,400                                                                            | 68.9                                                                                    | 352.8                                                                               | 40,300                                                                              | 100                                                                                 |
| 105                                                                               | 62.9                                                                                  | 345.5                                                                             | 32,100                                                                            | 64.7                                                                                  | 347.9                                                                             | 37,900                                                                            | 67.3                                                                                    | 350.8                                                                               | 40,200                                                                              | 105                                                                                 |
| 110                                                                               | 61.3                                                                                  | 342.8                                                                             | 30,600                                                                            | 63.1                                                                                  | 345.4                                                                             | 36,400                                                                            | 65.8                                                                                    | 348.6                                                                               | 39,300                                                                              | 110                                                                                 |
| 111                                                                               | 60.6                                                                                  | 342.2                                                                             | 30,300                                                                            | 62.6                                                                                  | 344.9                                                                             | 36,100                                                                            | 64.8                                                                                    | 348.1                                                                               | 38,800                                                                              | 111                                                                                 |
| 115                                                                               | 59.7                                                                                  | 340.0                                                                             | 29,100                                                                            | 61.5                                                                                  | 342.8                                                                             | 34,900                                                                            | 64.2                                                                                    | 346.2                                                                               | 36,900                                                                              | 115                                                                                 |
| 120                                                                               | 58.0                                                                                  | 336.9                                                                             | 27,700                                                                            | 59.8                                                                                  | 339.9                                                                             | 33,400                                                                            | 62.6                                                                                    | 343.6                                                                               | 34,700                                                                              | 120                                                                                 |
| 125                                                                               | 56.3                                                                                  | 333.6                                                                             | 26,400                                                                            | 58.2                                                                                  | 336.9                                                                             | 31,900                                                                            | 60.9                                                                                    | 340.9                                                                               | 32,700                                                                              | 125                                                                                 |
| 130                                                                               | 54.5                                                                                  | 330.1                                                                             | 25,100                                                                            | 56.5                                                                                  | 333.6                                                                             | 30,400                                                                            | 59.3                                                                                    | 338.0                                                                               | 30,800                                                                              | 130                                                                                 |
| 135                                                                               | 52.7                                                                                  | 326.4                                                                             | 23,900                                                                            | 54.7                                                                                  | 330.1                                                                             | 29,000                                                                            | 57.6                                                                                    | 334.9                                                                               | 29,100                                                                              | 135                                                                                 |
| 140                                                                               | 50.9                                                                                  | 322.4                                                                             | 22,700                                                                            | 52.9                                                                                  | 326.4                                                                             | 27,600                                                                            | 55.9                                                                                    | 331.6                                                                               | 27,600                                                                              | 140                                                                                 |
| 141                                                                               | 49.8                                                                                  | 321.5                                                                             | 22,500                                                                            | 51.8                                                                                  | 325.6                                                                             | 27,400                                                                            | 54.8                                                                                    | 330.8                                                                               | 27,300                                                                              | 141                                                                                 |
| 145                                                                               | 49.0                                                                                  | 318.1                                                                             | 21,700                                                                            | 51.1                                                                                  | 322.5                                                                             | 26,300                                                                            | 54.1                                                                                    | 328.0                                                                               | 26,100                                                                              | 145                                                                                 |
| 150                                                                               | 47.1                                                                                  | 313.6                                                                             | 20,700                                                                            | 49.2                                                                                  | 318.3                                                                             | 25,100                                                                            | 52.3                                                                                    | 324.2                                                                               | 24,800                                                                              | 150                                                                                 |
| 155                                                                               | 45.1                                                                                  | 308.7                                                                             | 19,700                                                                            | 47.3                                                                                  | 313.7                                                                             | 23,900                                                                            | 50.5                                                                                    | 320.2                                                                               | 23,500                                                                              | 155                                                                                 |
| 160                                                                               | 43.0                                                                                  | 303.4                                                                             | 18,800                                                                            | 45.3                                                                                  | 308.9                                                                             | 22,700                                                                            | 48.6                                                                                    | 315.9                                                                               | 22,300                                                                              | 160                                                                                 |
| 165                                                                               | 40.8                                                                                  | 297.8                                                                             | 17,900                                                                            | 43.2                                                                                  | 303.7                                                                             | 21,600                                                                            | 46.6                                                                                    | 311.2                                                                               | 21,200                                                                              | 165                                                                                 |
| 169                                                                               | 38.4                                                                                  | 292.9                                                                             | 17,300                                                                            | 41.4                                                                                  | 299.2                                                                             | 20,900                                                                            | 44.4                                                                                    | 307.3                                                                               | 20,400                                                                              | 169                                                                                 |
| 170                                                                               | 38.6                                                                                  | 291.7                                                                             | 17,100                                                                            | 41.1                                                                                  | 298.1                                                                             | 20,700                                                                            | 44.6                                                                                    | 306.3                                                                               | 20,200                                                                              | 170                                                                                 |
| 175                                                                               | 36.2                                                                                  | 285.1                                                                             | 16,400                                                                            | 38.8                                                                                  | 292.1                                                                             | 19,800                                                                            | 42.5                                                                                    | 301.0                                                                               | 19,200                                                                              | 175                                                                                 |
| 180                                                                               | 33.7                                                                                  | 277.8                                                                             | 15,800                                                                            | 36.5                                                                                  | 285.5                                                                             | 18,900                                                                            | 40.4                                                                                    | 295.2                                                                               | 18,300                                                                              | 180                                                                                 |
| 185                                                                               | 31.0                                                                                  | 269.8                                                                             | 15,200                                                                            | 34.0                                                                                  | 278.3                                                                             | 18,100                                                                            | 38.1                                                                                    | 289.0                                                                               | 17,500                                                                              | 185                                                                                 |
| 190                                                                               | 28.0                                                                                  | 260.8                                                                             | 14,700                                                                            | 31.3                                                                                  | 270.4                                                                             | 17,400                                                                            | 35.7                                                                                    | 282.2                                                                               | 16,600                                                                              | 190                                                                                 |
| 195                                                                               | 24.8                                                                                  | 250.6                                                                             | 14,300                                                                            | 28.4                                                                                  | 261.5                                                                             | 16,700                                                                            | 33.1                                                                                    | 274.8                                                                               | 15,900                                                                              | 195                                                                                 |
| 200                                                                               | 21.0                                                                                  | 238.5                                                                             | 13,900                                                                            | 25.2                                                                                  | 251.5                                                                             | 16,200                                                                            | 30.3                                                                                    | 266.6                                                                               | 15,100                                                                              | 200                                                                                 |
| 205                                                                               | 16.5                                                                                  | 223.4                                                                             | 13,700                                                                            | 21.5                                                                                  | 239.6                                                                             | 15,700                                                                            | 27.3                                                                                    | 257.4                                                                               | 14,400                                                                              | 205                                                                                 |
| 210                                                                               | 10.0                                                                                  | 201.6                                                                             | 13,100                                                                            | 17.0                                                                                  | 225.0                                                                             | 15,100                                                                            | 24.0                                                                                    | 246.8                                                                               | 13,700                                                                              | 210                                                                                 |
| 212                                                                               | 5.6                                                                                   | 186.3                                                                             | 11,800                                                                            | 13.8                                                                                  | 213.9                                                                             | 14,300                                                                            | 21.4                                                                                    | 241.1                                                                               | 13,500                                                                              | 212                                                                                 |
| 218                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.0                                                                                   | 180.4                                                                             | 11,800                                                                            | 16.6                                                                                    | 223.9                                                                               | 12,700                                                                              | 218                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.3                                                                                    | 218.2                                                                               | 12,500                                                                              | 220                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.9                                                                                     | 193.0                                                                               | 11,800                                                                              | 225                                                                                 |
| 226                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.3                                                                                     | 183.9                                                                               | 11,700                                                                              | 226                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 230                                                                                 |
| 235                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 235                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 248                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 248                                                                                 |



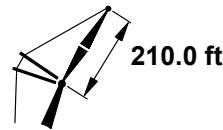
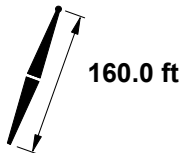
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+  
44,000 lb

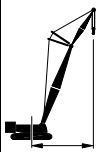
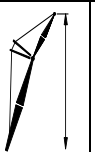
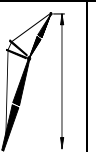
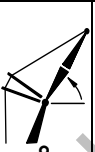


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 63  |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 93  |      |       |        |      |       |        |      |       |        | 93  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 111 | 68.0 | 350.4 | 36,000 |      |       |        |      |       |        | 111 |
| 115 | 66.8 | 348.7 | 34,200 |      |       |        |      |       |        | 115 |
| 120 | 65.2 | 346.4 | 32,100 |      |       |        |      |       |        | 120 |
| 125 | 63.6 | 344.0 | 30,200 |      |       |        |      |       |        | 125 |
| 130 | 62.0 | 341.4 | 28,500 |      |       |        |      |       |        | 130 |
| 135 | 60.4 | 338.6 | 26,900 |      |       |        |      |       |        | 135 |
| 140 | 58.7 | 335.6 | 25,400 |      |       |        |      |       |        | 140 |
| 141 | 57.8 | 335.0 | 25,100 | 62.9 | 339.5 | 21,600 |      |       |        | 141 |
| 145 | 57.0 | 332.4 | 24,000 | 61.6 | 337.4 | 20,600 |      |       |        | 145 |
| 150 | 55.3 | 329.0 | 22,800 | 59.9 | 334.5 | 19,500 |      |       |        | 150 |
| 155 | 53.5 | 325.4 | 21,600 | 58.2 | 331.5 | 18,400 |      |       |        | 155 |
| 160 | 51.7 | 321.5 | 20,500 | 56.5 | 328.2 | 17,400 |      |       |        | 160 |
| 165 | 49.8 | 317.4 | 19,400 | 54.8 | 324.8 | 16,500 |      |       |        | 165 |
| 169 | 47.4 | 313.8 | 18,700 | 52.4 | 321.8 | 15,800 | 58.0 | 326.6 | 12,300 | 169 |
| 170 | 47.9 | 312.9 | 18,500 | 53.0 | 321.1 | 15,600 | 57.6 | 326.0 | 12,100 | 170 |
| 175 | 45.9 | 308.2 | 17,500 | 51.2 | 317.1 | 14,800 | 55.9 | 322.7 | 11,400 | 175 |
| 180 | 43.9 | 303.1 | 16,700 | 49.3 | 312.9 | 14,000 | 54.2 | 319.1 | 10,600 | 180 |
| 185 | 41.8 | 297.7 | 15,900 | 47.4 | 308.4 | 13,200 | 52.4 | 315.4 | 9,900  | 185 |
| 190 | 39.6 | 291.8 | 15,100 | 45.4 | 303.6 | 12,500 | 50.5 | 311.3 | 9,200  | 190 |
| 195 | 37.2 | 285.4 | 14,400 | 43.3 | 298.4 | 11,800 | 48.6 | 307.0 | 8,600  | 195 |
| 200 | 34.8 | 278.4 | 13,700 | 41.2 | 292.8 | 11,100 | 46.7 | 302.4 | 8,000  | 200 |
| 205 | 32.2 | 270.7 | 13,000 | 38.9 | 286.8 | 10,400 | 44.7 | 297.4 | 7,400  | 205 |
| 210 | 29.3 | 262.2 | 12,400 | 36.6 | 280.2 | 9,800  | 42.6 | 292.1 | 6,900  | 210 |
| 212 | 27.6 | 258.0 | 12,100 | 35.0 | 277.2 | 9,600  | 41.2 | 289.7 | 6,700  | 212 |
| 218 | 23.4 | 245.5 | 11,400 | 32.0 | 268.2 | 8,900  | 38.8 | 282.6 | 6,000  | 218 |
| 220 | 22.7 | 241.4 | 11,200 | 31.4 | 265.2 | 8,600  | 38.1 | 280.2 | 5,800  | 220 |
| 225 | 18.6 | 227.8 | 10,600 | 28.5 | 256.4 | 8,100  | 35.7 | 273.4 | 5,400  | 225 |
| 226 | 17.0 | 224.2 | 10,500 | 27.4 | 254.4 | 8,000  |      |       |        | 226 |
| 230 | 13.2 | 209.8 | 10,100 | 25.3 | 246.4 | 7,600  |      |       |        | 230 |
| 235 | 0.7  | 166.6 | 9,500  | 21.6 | 234.6 | 7,000  |      |       |        | 235 |
| 240 |      |       |        | 17.2 | 220.1 | 6,500  |      |       |        | 240 |
| 248 |      |       |        | 4.8  | 177.5 | 5,700  |      |       |        | 248 |



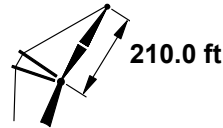
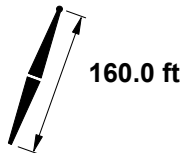
184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |      |  ft |  lb |      |  ft |  lb |       |  ft |  lb |  ft |
| 65                                                                                   | 76.0                                                                                  | 371.4                                                                                | 34,000                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 74.6                                                                                  | 370.1                                                                                | 33,700                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 73.1                                                                                  | 368.6                                                                                | 33,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 78                                                                                   | 71.8                                                                                  | 367.6                                                                                | 33,100                                                                               | 73.9                                                                                  | 369.0                                                                                | 38,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 78                                                                                     |
| 80                                                                                   | 71.7                                                                                  | 367.0                                                                                | 32,900                                                                               | 73.3                                                                                  | 368.4                                                                                | 38,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 70.3                                                                                  | 365.2                                                                                | 32,400                                                                               | 71.9                                                                                  | 366.8                                                                                | 38,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 68.8                                                                                  | 363.3                                                                                | 32,000                                                                               | 70.4                                                                                  | 365.1                                                                                | 37,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 95                                                                                   | 67.3                                                                                  | 361.3                                                                                | 31,500                                                                               | 69.0                                                                                  | 363.2                                                                                | 37,600                                                                               |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 97                                                                                   | 66.2                                                                                  | 360.4                                                                                | 31,300                                                                               | 67.6                                                                                  | 362.4                                                                                | 37,500                                                                               | 70.8                                                                                    | 364.6                                                                                  | 36,800                                                                                 | 97                                                                                     |
| 100                                                                                  | 65.8                                                                                  | 359.1                                                                                | 31,000                                                                               | 67.5                                                                                  | 361.1                                                                                | 37,400                                                                               | 69.9                                                                                    | 363.5                                                                                  | 36,800                                                                                 | 100                                                                                    |
| 105                                                                                  | 64.3                                                                                  | 356.7                                                                                | 30,600                                                                               | 66.0                                                                                  | 359.0                                                                                | 36,100                                                                               | 68.5                                                                                    | 361.6                                                                                  | 36,700                                                                                 | 105                                                                                    |
| 110                                                                                  | 62.8                                                                                  | 354.2                                                                                | 29,600                                                                               | 64.5                                                                                  | 356.6                                                                                | 34,800                                                                               | 67.0                                                                                    | 359.5                                                                                  | 36,600                                                                                 | 110                                                                                    |
| 115                                                                                  | 61.2                                                                                  | 351.5                                                                                | 28,200                                                                               | 63.0                                                                                  | 354.1                                                                                | 33,500                                                                               | 65.5                                                                                    | 357.3                                                                                  | 36,500                                                                                 | 115                                                                                    |
| 120                                                                                  | 59.7                                                                                  | 348.6                                                                                | 27,000                                                                               | 61.4                                                                                  | 351.4                                                                                | 32,200                                                                               | 64.0                                                                                    | 354.9                                                                                  | 34,300                                                                                 | 120                                                                                    |
| 125                                                                                  | 58.1                                                                                  | 345.6                                                                                | 25,700                                                                               | 59.9                                                                                  | 348.6                                                                                | 30,800                                                                               | 62.5                                                                                    | 352.3                                                                                  | 32,300                                                                                 | 125                                                                                    |
| 130                                                                                  | 56.4                                                                                  | 342.3                                                                                | 24,500                                                                               | 58.3                                                                                  | 345.5                                                                                | 29,500                                                                               | 60.9                                                                                    | 349.6                                                                                  | 30,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 54.8                                                                                  | 338.8                                                                                | 23,300                                                                               | 56.6                                                                                  | 342.3                                                                                | 28,200                                                                               | 59.3                                                                                    | 346.7                                                                                  | 28,800                                                                                 | 135                                                                                    |
| 140                                                                                  | 53.1                                                                                  | 335.1                                                                                | 22,200                                                                               | 55.0                                                                                  | 338.9                                                                                | 27,000                                                                               | 57.7                                                                                    | 343.6                                                                                  | 27,200                                                                                 | 140                                                                                    |
| 145                                                                                  | 51.4                                                                                  | 331.2                                                                                | 21,200                                                                               | 53.3                                                                                  | 335.2                                                                                | 25,800                                                                               | 56.1                                                                                    | 340.3                                                                                  | 25,800                                                                                 | 145                                                                                    |
| 150                                                                                  | 49.6                                                                                  | 327.0                                                                                | 20,200                                                                               | 51.6                                                                                  | 331.3                                                                                | 24,600                                                                               | 54.4                                                                                    | 336.7                                                                                  | 24,400                                                                                 | 150                                                                                    |
| 155                                                                                  | 47.7                                                                                  | 322.6                                                                                | 19,400                                                                               | 49.8                                                                                  | 327.2                                                                                | 23,500                                                                               | 52.7                                                                                    | 333.0                                                                                  | 23,200                                                                                 | 155                                                                                    |
| 160                                                                                  | 45.9                                                                                  | 317.8                                                                                | 18,500                                                                               | 48.0                                                                                  | 322.7                                                                                | 22,400                                                                               | 51.0                                                                                    | 329.0                                                                                  | 22,000                                                                                 | 160                                                                                    |
| 165                                                                                  | 43.9                                                                                  | 312.7                                                                                | 17,700                                                                               | 46.1                                                                                  | 318.0                                                                                | 21,300                                                                               | 49.2                                                                                    | 324.8                                                                                  | 20,900                                                                                 | 165                                                                                    |
| 170                                                                                  | 41.9                                                                                  | 307.3                                                                                | 16,800                                                                               | 44.1                                                                                  | 313.0                                                                                | 20,400                                                                               | 47.3                                                                                    | 320.3                                                                                  | 19,900                                                                                 | 170                                                                                    |
| 175                                                                                  | 39.8                                                                                  | 301.4                                                                                | 16,100                                                                               | 42.1                                                                                  | 307.6                                                                                | 19,600                                                                               | 45.4                                                                                    | 315.4                                                                                  | 18,900                                                                                 | 175                                                                                    |
| 180                                                                                  | 37.6                                                                                  | 295.1                                                                                | 15,500                                                                               | 40.0                                                                                  | 301.8                                                                                | 18,800                                                                               | 43.5                                                                                    | 310.3                                                                                  | 18,000                                                                                 | 180                                                                                    |
| 185                                                                                  | 35.3                                                                                  | 288.3                                                                                | 14,900                                                                               | 37.9                                                                                  | 295.5                                                                                | 17,900                                                                               | 41.5                                                                                    | 304.8                                                                                  | 17,100                                                                                 | 185                                                                                    |
| 190                                                                                  | 32.8                                                                                  | 280.8                                                                                | 14,300                                                                               | 35.6                                                                                  | 288.7                                                                                | 17,100                                                                               | 39.3                                                                                    | 298.8                                                                                  | 16,300                                                                                 | 190                                                                                    |
| 195                                                                                  | 30.2                                                                                  | 272.5                                                                                | 13,800                                                                               | 33.1                                                                                  | 281.3                                                                                | 16,500                                                                               | 37.1                                                                                    | 292.4                                                                                  | 15,500                                                                                 | 195                                                                                    |
| 200                                                                                  | 27.3                                                                                  | 263.2                                                                                | 13,400                                                                               | 30.5                                                                                  | 273.1                                                                                | 15,800                                                                               | 34.8                                                                                    | 285.4                                                                                  | 14,800                                                                                 | 200                                                                                    |
| 205                                                                                  | 24.1                                                                                  | 252.7                                                                                | 13,000                                                                               | 27.7                                                                                  | 264.0                                                                                | 15,300                                                                               | 32.3                                                                                    | 277.7                                                                                  | 14,100                                                                                 | 205                                                                                    |
| 210                                                                                  | 20.5                                                                                  | 240.3                                                                                | 12,800                                                                               | 24.5                                                                                  | 253.6                                                                                | 14,800                                                                               | 29.6                                                                                    | 269.3                                                                                  | 13,400                                                                                 | 210                                                                                    |
| 215                                                                                  | 16.1                                                                                  | 224.8                                                                                | 12,600                                                                               | 20.9                                                                                  | 241.5                                                                                | 14,100                                                                               | 26.7                                                                                    | 259.8                                                                                  | 12,800                                                                                 | 215                                                                                    |
| 220                                                                                  | 9.8                                                                                   | 202.4                                                                                | 11,300                                                                               | 16.6                                                                                  | 226.5                                                                                | 13,500                                                                               | 23.4                                                                                    | 248.9                                                                                  | 12,200                                                                                 | 220                                                                                    |
| 222                                                                                  | 5.5                                                                                   | 186.7                                                                                | 10,000                                                                               | 13.6                                                                                  | 218.0                                                                                | 12,900                                                                               | 21.4                                                                                    | 243.7                                                                                  | 11,900                                                                                 | 222                                                                                    |
| 225                                                                                  |                                                                                       |                                                                                      |                                                                                      | 10.7                                                                                  | 205.3                                                                                | 12,000                                                                               | 19.6                                                                                    | 235.9                                                                                  | 11,600                                                                                 | 225                                                                                    |
| 228                                                                                  |                                                                                       |                                                                                      |                                                                                      | 3.9                                                                                   | 180.7                                                                                | 10,000                                                                               | 16.0                                                                                    | 226.1                                                                                  | 11,200                                                                                 | 228                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 14.9                                                                                    | 219.5                                                                                  | 11,000                                                                                 | 230                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.7                                                                                     | 193.7                                                                                  | 10,400                                                                                 | 235                                                                                    |
| 236                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.2                                                                                     | 184.3                                                                                  | 10,300                                                                                 | 236                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 240                                                                                    |
| 245                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 245                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |



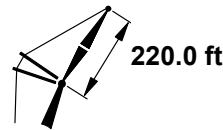
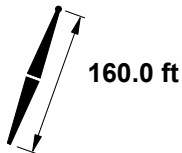
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 97  |      |       |        |      |       |        |      |       |        | 97  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 68.0 | 359.5 | 33,800 |      |       |        |      |       |        | 115 |
| 120 | 66.5 | 357.4 | 31,700 |      |       |        |      |       |        | 120 |
| 125 | 65.0 | 355.1 | 29,800 |      |       |        |      |       |        | 125 |
| 130 | 63.5 | 352.7 | 28,100 |      |       |        |      |       |        | 130 |
| 135 | 61.9 | 350.0 | 26,500 |      |       |        |      |       |        | 135 |
| 140 | 60.4 | 347.2 | 25,000 |      |       |        |      |       |        | 140 |
| 145 | 58.8 | 344.3 | 23,700 | 63.0 | 348.7 | 20,200 |      |       |        | 145 |
| 150 | 57.2 | 341.1 | 22,400 | 61.5 | 346.0 | 19,100 |      |       |        | 150 |
| 155 | 55.5 | 337.7 | 21,200 | 59.9 | 343.2 | 18,000 |      |       |        | 155 |
| 160 | 53.8 | 334.1 | 20,100 | 58.3 | 340.2 | 17,000 |      |       |        | 160 |
| 165 | 52.1 | 330.3 | 19,100 | 56.7 | 336.9 | 16,100 |      |       |        | 165 |
| 170 | 50.4 | 326.2 | 18,100 | 55.0 | 333.5 | 15,200 |      |       |        | 170 |
| 175 | 48.5 | 321.9 | 17,200 | 53.3 | 329.8 | 14,300 | 57.8 | 334.7 | 10,700 | 175 |
| 180 | 46.7 | 317.3 | 16,300 | 51.6 | 326.0 | 13,500 | 56.1 | 331.4 | 10,000 | 180 |
| 185 | 44.8 | 312.3 | 15,500 | 49.8 | 321.8 | 12,700 | 54.5 | 327.9 | 9,300  | 185 |
| 190 | 42.8 | 307.1 | 14,700 | 48.0 | 317.4 | 11,900 | 52.7 | 324.1 | 8,600  | 190 |
| 195 | 40.7 | 301.4 | 14,000 | 46.2 | 312.7 | 11,200 | 51.0 | 320.2 | 8,000  | 195 |
| 200 | 38.6 | 295.3 | 13,300 | 44.2 | 307.7 | 10,500 | 49.2 | 315.9 | 7,400  | 200 |
| 205 | 36.3 | 288.7 | 12,600 | 42.2 | 302.3 | 9,900  | 47.4 | 311.4 | 6,800  | 205 |
| 210 | 33.9 | 281.5 | 12,000 | 40.1 | 296.5 | 9,200  | 45.5 | 306.6 | 6,300  | 210 |
| 215 | 31.4 | 273.5 | 11,400 | 37.9 | 290.2 | 8,600  | 43.5 | 301.4 | 5,700  | 215 |
| 220 | 28.6 | 264.7 | 10,800 | 35.6 | 283.5 | 8,100  | 41.5 | 295.9 | 5,300  | 220 |
| 222 | 26.8 | 260.8 | 10,600 | 34.2 | 280.5 | 7,900  |      |       |        | 222 |
| 225 | 25.6 | 254.8 | 10,300 | 33.2 | 276.1 | 7,500  |      |       |        | 225 |
| 228 | 23.2 | 247.9 | 10,000 | 31.2 | 271.2 | 7,200  |      |       |        | 228 |
| 230 | 22.1 | 243.3 | 9,800  | 30.6 | 267.9 | 7,000  |      |       |        | 230 |
| 235 | 18.1 | 229.4 | 9,200  | 27.8 | 258.9 | 6,500  |      |       |        | 235 |
| 236 | 16.8 | 225.7 | 9,100  | 26.4 | 256.8 | 6,400  |      |       |        | 236 |
| 240 | 12.9 | 210.9 | 8,700  | 24.6 | 248.5 | 6,000  |      |       |        | 240 |
| 245 | 0.7  | 166.6 | 8,000  | 21.1 | 236.5 | 5,600  |      |       |        | 245 |
| 250 |      |       |        | 16.8 | 221.6 | 5,100  |      |       |        | 250 |



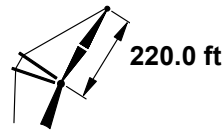
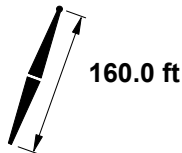
184,600 lb  
+  
44,000 lb



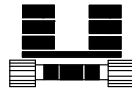
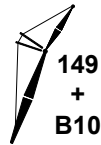
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 68  | 75.8 | 381.0 | 31,100 |      |       |        |      |       |        | 68  |
| 70  | 75.3 | 380.5 | 31,000 |      |       |        |      |       |        | 70  |
| 75  | 73.9 | 379.0 | 30,700 |      |       |        |      |       |        | 75  |
| 80  | 72.6 | 377.5 | 30,500 |      |       |        |      |       |        | 80  |
| 81  | 71.8 | 377.2 | 30,400 | 73.8 | 378.6 | 35,100 |      |       |        | 81  |
| 85  | 71.2 | 375.8 | 30,100 | 72.7 | 377.3 | 34,900 |      |       |        | 85  |
| 90  | 69.8 | 374.0 | 29,600 | 71.4 | 375.7 | 34,700 |      |       |        | 90  |
| 95  | 68.4 | 372.1 | 29,200 | 70.0 | 373.9 | 34,400 |      |       |        | 95  |
| 100 | 67.0 | 370.0 | 28,800 | 68.6 | 372.0 | 34,200 | 70.9 | 374.2 | 33,500 | 100 |
| 105 | 65.6 | 367.8 | 28,400 | 67.2 | 369.9 | 34,000 | 69.5 | 372.3 | 33,400 | 105 |
| 110 | 64.1 | 365.4 | 28,000 | 65.7 | 367.7 | 33,100 | 68.1 | 370.4 | 33,200 | 110 |
| 115 | 62.7 | 362.9 | 27,200 | 64.3 | 365.3 | 32,000 | 66.7 | 368.2 | 33,100 | 115 |
| 119 | 61.2 | 360.7 | 26,200 | 62.4 | 363.3 | 31,100 | 65.2 | 366.4 | 33,000 | 119 |
| 120 | 61.2 | 360.1 | 26,000 | 62.8 | 362.8 | 30,800 | 65.3 | 366.0 | 33,000 | 120 |
| 125 | 59.7 | 357.3 | 24,900 | 61.4 | 360.1 | 29,700 | 63.8 | 363.6 | 31,800 | 125 |
| 130 | 58.2 | 354.2 | 23,800 | 59.9 | 357.2 | 28,500 | 62.3 | 361.0 | 30,000 | 130 |
| 135 | 56.6 | 351.0 | 22,700 | 58.3 | 354.2 | 27,300 | 60.9 | 358.2 | 28,300 | 135 |
| 140 | 55.0 | 347.5 | 21,700 | 56.8 | 351.0 | 26,200 | 59.4 | 355.3 | 26,700 | 140 |
| 145 | 53.4 | 343.9 | 20,700 | 55.2 | 347.6 | 25,100 | 57.8 | 352.2 | 25,300 | 145 |
| 150 | 51.8 | 340.0 | 19,800 | 53.6 | 343.9 | 24,000 | 56.3 | 348.9 | 23,900 | 150 |
| 155 | 50.1 | 335.9 | 18,800 | 52.0 | 340.1 | 22,900 | 54.7 | 345.5 | 22,700 | 155 |
| 160 | 48.4 | 331.5 | 18,000 | 50.3 | 336.0 | 21,900 | 53.1 | 341.8 | 21,500 | 160 |
| 165 | 46.6 | 326.9 | 17,300 | 48.6 | 331.7 | 21,000 | 51.4 | 337.8 | 20,400 | 165 |
| 170 | 44.7 | 322.0 | 16,500 | 46.8 | 327.1 | 20,100 | 49.7 | 333.7 | 19,400 | 170 |
| 175 | 42.9 | 316.7 | 15,800 | 45.0 | 322.2 | 19,200 | 48.0 | 329.3 | 18,400 | 175 |
| 180 | 40.9 | 311.0 | 15,200 | 43.1 | 316.9 | 18,400 | 46.2 | 324.6 | 17,500 | 180 |
| 185 | 38.8 | 305.0 | 14,500 | 41.1 | 311.3 | 17,600 | 44.3 | 319.5 | 16,700 | 185 |
| 190 | 36.7 | 298.4 | 13,900 | 39.1 | 305.3 | 17,000 | 42.4 | 314.2 | 15,800 | 190 |
| 195 | 34.4 | 291.4 | 13,500 | 37.0 | 298.9 | 16,300 | 40.4 | 308.5 | 15,100 | 195 |
| 200 | 32.0 | 283.6 | 13,000 | 34.7 | 291.8 | 15,500 | 38.4 | 302.3 | 14,300 | 200 |
| 205 | 29.5 | 275.1 | 12,600 | 32.3 | 284.2 | 15,000 | 36.2 | 295.6 | 13,700 | 205 |
| 210 | 26.7 | 265.6 | 12,200 | 29.8 | 275.8 | 14,400 | 33.9 | 288.4 | 13,000 | 210 |
| 215 | 23.6 | 254.8 | 11,900 | 27.0 | 266.4 | 13,700 | 31.5 | 280.5 | 12,400 | 215 |
| 220 | 20.0 | 242.1 | 11,700 | 23.9 | 255.7 | 13,100 | 28.9 | 271.8 | 11,700 | 220 |
| 225 | 15.7 | 226.2 | 10,900 | 20.4 | 243.3 | 12,300 | 26.0 | 262.1 | 11,200 | 225 |
| 230 | 9.6  | 203.2 | 9,400  | 16.2 | 227.9 | 11,300 | 22.8 | 250.9 | 10,600 | 230 |
| 232 | 5.3  | 187.2 | 8,200  | 13.6 | 219.2 | 10,800 | 20.8 | 245.6 | 10,400 | 232 |
| 235 |      |       |        | 10.4 | 206.2 | 10,100 | 19.1 | 237.6 | 10,100 | 235 |
| 238 |      |       |        | 3.8  | 181.1 | 8,300  | 16.0 | 227.5 | 9,800  | 238 |
| 240 |      |       |        |      |       |        | 14.6 | 220.7 | 9,500  | 240 |
| 245 |      |       |        |      |       |        | 7.5  | 194.3 | 9,000  | 245 |
| 246 |      |       |        |      |       |        | 5.0  | 184.7 | 8,900  | 246 |
| 250 |      |       |        |      |       |        |      |       |        | 250 |
| 255 |      |       |        |      |       |        |      |       |        | 255 |



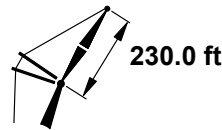
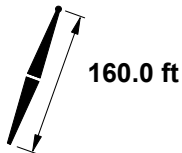
184,600 lb  
+  
44,000 lb

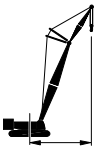
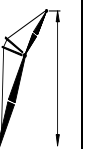
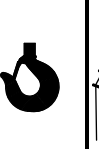
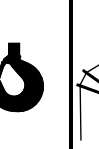
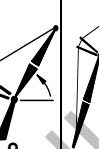


|     | 80°  |       |        | 75°  |       |        | 70°  |       |       |
|-----|------|-------|--------|------|-------|--------|------|-------|-------|
|     |      |       |        |      |       |        |      |       |       |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft    |
| 68  |      |       |        |      |       |        |      |       | 68    |
| 70  |      |       |        |      |       |        |      |       | 70    |
| 75  |      |       |        |      |       |        |      |       | 75    |
| 80  |      |       |        |      |       |        |      |       | 80    |
| 81  |      |       |        |      |       |        |      |       | 81    |
| 85  |      |       |        |      |       |        |      |       | 85    |
| 90  |      |       |        |      |       |        |      |       | 90    |
| 95  |      |       |        |      |       |        |      |       | 95    |
| 100 |      |       |        |      |       |        |      |       | 100   |
| 105 |      |       |        |      |       |        |      |       | 105   |
| 110 |      |       |        |      |       |        |      |       | 110   |
| 115 |      |       |        |      |       |        |      |       | 115   |
| 119 | 67.9 | 368.7 | 31,600 |      |       |        |      |       | 119   |
| 120 | 67.6 | 368.3 | 31,200 |      |       |        |      |       | 120   |
| 125 | 66.2 | 366.1 | 29,300 |      |       |        |      |       | 125   |
| 130 | 64.8 | 363.8 | 27,600 |      |       |        |      |       | 130   |
| 135 | 63.3 | 361.3 | 26,000 |      |       |        |      |       | 135   |
| 140 | 61.8 | 358.7 | 24,500 |      |       |        |      |       | 140   |
| 145 | 60.3 | 355.9 | 23,200 |      |       |        |      |       | 145   |
| 150 | 58.8 | 352.9 | 21,900 | 62.9 | 357.4 | 18,500 |      |       | 150   |
| 155 | 57.3 | 349.8 | 20,700 | 61.4 | 354.7 | 17,400 |      |       | 155   |
| 160 | 55.7 | 346.4 | 19,600 | 59.9 | 351.9 | 16,300 |      |       | 160   |
| 165 | 54.1 | 342.9 | 18,600 | 58.4 | 348.8 | 15,300 |      |       | 165   |
| 170 | 52.5 | 339.1 | 17,600 | 56.8 | 345.6 | 14,400 |      |       | 170   |
| 175 | 50.8 | 335.1 | 16,700 | 55.3 | 342.2 | 13,500 |      |       | 175   |
| 180 | 49.1 | 330.8 | 15,800 | 53.7 | 338.6 | 12,700 | 57.9 | 343.3 | 9,100 |
| 185 | 47.4 | 326.3 | 15,000 | 52.0 | 334.8 | 11,900 | 56.3 | 340.1 | 8,400 |
| 190 | 45.5 | 321.5 | 14,300 | 50.3 | 330.7 | 11,100 | 54.7 | 336.6 | 7,800 |
| 195 | 43.7 | 316.4 | 13,500 | 48.6 | 326.4 | 10,400 | 53.1 | 332.9 | 7,200 |
| 200 | 41.8 | 310.9 | 12,800 | 46.9 | 321.8 | 9,800  | 51.4 | 329.0 | 6,600 |
| 205 | 39.7 | 305.0 | 12,200 | 45.0 | 316.9 | 9,100  | 49.7 | 324.8 | 6,000 |
| 210 | 37.6 | 298.7 | 11,600 | 43.1 | 311.6 | 8,500  | 48.0 | 320.4 | 5,500 |
| 215 | 35.4 | 291.9 | 11,000 | 41.2 | 306.1 | 7,900  |      |       |       |
| 220 | 33.1 | 284.4 | 10,300 | 39.2 | 300.1 | 7,400  |      |       |       |
| 225 | 30.6 | 276.3 | 9,700  | 37.0 | 293.6 | 6,800  |      |       |       |
| 230 | 27.9 | 267.2 | 9,100  | 34.8 | 286.6 | 6,300  |      |       |       |
| 232 | 25.8 | 263.1 | 8,900  | 33.2 | 283.6 | 6,100  |      |       |       |
| 235 | 25.0 | 257.0 | 8,600  | 32.4 | 279.0 | 5,800  |      |       |       |
| 238 | 22.2 | 249.9 | 8,300  | 30.2 | 274.0 | 5,500  |      |       |       |
| 240 | 21.6 | 245.2 | 8,000  | 29.9 | 270.6 | 5,400  |      |       |       |
| 245 | 17.7 | 231.0 | 7,500  |      |       |        |      |       |       |
| 246 | 16.0 | 227.2 | 7,400  |      |       |        |      |       |       |
| 250 | 12.6 | 212.0 | 7,000  |      |       |        |      |       |       |
| 255 | 0.7  | 166.6 | 6,400  |      |       |        |      |       |       |



184,600 lb  
+  
44,000 lb

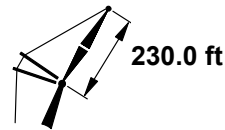
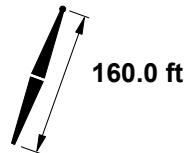


|                                                                                   | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                                |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |  |  |  |  |  |
| ft                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 71                                                                                | 76.0                                                                              | 390.8                                                                             | 28,400                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 71                                                                                  |
| 75                                                                                | 74.9                                                                              | 389.8                                                                             | 28,200                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.7                                                                              | 388.3                                                                             | 27,900                                                                            |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 72.3                                                                              | 386.8                                                                             | 27,500                                                                            | 73.8                                                                              | 388.1                                                                             | 29,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 71.0                                                                              | 385.1                                                                             | 27,000                                                                            | 72.5                                                                              | 386.6                                                                             | 29,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.7                                                                              | 383.3                                                                             | 26,600                                                                            | 71.2                                                                              | 384.9                                                                             | 29,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 68.4                                                                              | 381.3                                                                             | 26,200                                                                            | 69.9                                                                              | 383.1                                                                             | 29,500                                                                            |                                                                                    |                                                                                     |                                                                                     | 100                                                                                 |
| 104                                                                               | 67.2                                                                              | 379.7                                                                             | 25,900                                                                            | 68.2                                                                              | 381.6                                                                             | 29,500                                                                            | 71.0                                                                               | 383.8                                                                               | 29,500                                                                              | 104                                                                                 |
| 105                                                                               | 67.0                                                                              | 379.2                                                                             | 25,900                                                                            | 68.5                                                                              | 381.2                                                                             | 29,500                                                                            | 70.7                                                                               | 383.4                                                                               | 29,500                                                                              | 105                                                                                 |
| 110                                                                               | 65.7                                                                              | 377.0                                                                             | 25,500                                                                            | 67.2                                                                              | 379.1                                                                             | 29,500                                                                            | 69.4                                                                               | 381.6                                                                               | 29,500                                                                              | 110                                                                                 |
| 115                                                                               | 64.3                                                                              | 374.7                                                                             | 25,100                                                                            | 65.8                                                                              | 376.9                                                                             | 29,500                                                                            | 68.1                                                                               | 379.6                                                                               | 29,500                                                                              | 115                                                                                 |
| 120                                                                               | 62.9                                                                              | 372.1                                                                             | 24,800                                                                            | 64.4                                                                              | 374.6                                                                             | 29,300                                                                            | 66.7                                                                               | 377.5                                                                               | 29,500                                                                              | 120                                                                                 |
| 124                                                                               | 61.2                                                                              | 370.0                                                                             | 24,100                                                                            | 63.2                                                                              | 372.6                                                                             | 28,500                                                                            | 65.2                                                                               | 375.7                                                                               | 29,500                                                                              | 124                                                                                 |
| 125                                                                               | 61.5                                                                              | 369.5                                                                             | 24,000                                                                            | 63.0                                                                              | 372.1                                                                             | 28,300                                                                            | 65.4                                                                               | 375.2                                                                               | 29,500                                                                              | 125                                                                                 |
| 130                                                                               | 60.0                                                                              | 366.6                                                                             | 23,100                                                                            | 61.6                                                                              | 369.4                                                                             | 27,400                                                                            | 64.0                                                                               | 372.8                                                                               | 29,500                                                                              | 130                                                                                 |
| 135                                                                               | 58.6                                                                              | 363.6                                                                             | 22,100                                                                            | 60.2                                                                              | 366.6                                                                             | 26,400                                                                            | 62.6                                                                               | 370.3                                                                               | 28,100                                                                              | 135                                                                                 |
| 140                                                                               | 57.1                                                                              | 360.4                                                                             | 21,200                                                                            | 58.8                                                                              | 363.6                                                                             | 25,300                                                                            | 61.2                                                                               | 367.6                                                                               | 26,500                                                                              | 140                                                                                 |
| 145                                                                               | 55.6                                                                              | 357.1                                                                             | 20,200                                                                            | 57.3                                                                              | 360.4                                                                             | 24,400                                                                            | 59.7                                                                               | 364.7                                                                               | 25,100                                                                              | 145                                                                                 |
| 150                                                                               | 54.1                                                                              | 353.5                                                                             | 19,400                                                                            | 55.8                                                                              | 357.1                                                                             | 23,400                                                                            | 58.3                                                                               | 361.6                                                                               | 23,700                                                                              | 150                                                                                 |
| 155                                                                               | 52.5                                                                              | 349.7                                                                             | 18,500                                                                            | 54.3                                                                              | 353.5                                                                             | 22,400                                                                            | 56.8                                                                               | 358.4                                                                               | 22,500                                                                              | 155                                                                                 |
| 156                                                                               | 51.6                                                                              | 348.9                                                                             | 18,400                                                                            | 53.6                                                                              | 352.8                                                                             | 22,300                                                                            | 55.8                                                                               | 357.7                                                                               | 22,200                                                                              | 156                                                                                 |
| 160                                                                               | 50.9                                                                              | 345.7                                                                             | 17,800                                                                            | 52.7                                                                              | 349.8                                                                             | 21,500                                                                            | 55.3                                                                               | 355.0                                                                               | 21,300                                                                              | 160                                                                                 |
| 165                                                                               | 49.3                                                                              | 341.5                                                                             | 17,000                                                                            | 51.1                                                                              | 345.8                                                                             | 20,600                                                                            | 53.7                                                                               | 351.4                                                                               | 20,200                                                                              | 165                                                                                 |
| 170                                                                               | 47.6                                                                              | 337.0                                                                             | 16,200                                                                            | 49.5                                                                              | 341.6                                                                             | 19,800                                                                            | 52.2                                                                               | 347.6                                                                               | 19,200                                                                              | 170                                                                                 |
| 175                                                                               | 45.9                                                                              | 332.3                                                                             | 15,600                                                                            | 47.8                                                                              | 337.2                                                                             | 19,000                                                                            | 50.6                                                                               | 343.5                                                                               | 18,200                                                                              | 175                                                                                 |
| 180                                                                               | 44.1                                                                              | 327.2                                                                             | 15,000                                                                            | 46.1                                                                              | 332.5                                                                             | 18,200                                                                            | 48.9                                                                               | 339.3                                                                               | 17,300                                                                              | 180                                                                                 |
| 185                                                                               | 42.3                                                                              | 321.8                                                                             | 14,300                                                                            | 44.3                                                                              | 327.4                                                                             | 17,500                                                                            | 47.2                                                                               | 334.7                                                                               | 16,400                                                                              | 185                                                                                 |
| 190                                                                               | 40.4                                                                              | 316.1                                                                             | 13,800                                                                            | 42.5                                                                              | 322.1                                                                             | 16,700                                                                            | 45.5                                                                               | 329.9                                                                               | 15,600                                                                              | 190                                                                                 |
| 195                                                                               | 38.4                                                                              | 309.9                                                                             | 13,200                                                                            | 40.6                                                                              | 316.4                                                                             | 16,000                                                                            | 43.7                                                                               | 324.8                                                                               | 14,900                                                                              | 195                                                                                 |
| 200                                                                               | 36.4                                                                              | 303.3                                                                             | 12,700                                                                            | 38.7                                                                              | 310.3                                                                             | 15,400                                                                            | 41.9                                                                               | 319.3                                                                               | 14,100                                                                              | 200                                                                                 |
| 205                                                                               | 34.2                                                                              | 296.2                                                                             | 12,300                                                                            | 36.6                                                                              | 303.7                                                                             | 14,900                                                                            | 40.0                                                                               | 313.5                                                                               | 13,400                                                                              | 205                                                                                 |
| 210                                                                               | 31.9                                                                              | 288.4                                                                             | 11,900                                                                            | 34.4                                                                              | 296.6                                                                             | 14,200                                                                            | 38.0                                                                               | 307.2                                                                               | 12,800                                                                              | 210                                                                                 |
| 215                                                                               | 29.4                                                                              | 279.8                                                                             | 11,500                                                                            | 32.2                                                                              | 288.9                                                                             | 13,600                                                                            | 35.9                                                                               | 300.5                                                                               | 12,100                                                                              | 215                                                                                 |
| 220                                                                               | 26.7                                                                              | 270.3                                                                             | 11,300                                                                            | 29.7                                                                              | 280.5                                                                             | 12,900                                                                            | 33.7                                                                               | 293.2                                                                               | 11,500                                                                              | 220                                                                                 |
| 225                                                                               | 23.8                                                                              | 259.6                                                                             | 10,900                                                                            | 27.1                                                                              | 271.1                                                                             | 12,300                                                                            | 31.4                                                                               | 285.3                                                                               | 11,000                                                                              | 225                                                                                 |
| 230                                                                               | 20.4                                                                              | 247.0                                                                             | 10,400                                                                            | 24.1                                                                              | 260.5                                                                             | 11,700                                                                            | 28.8                                                                               | 276.5                                                                               | 10,400                                                                              | 230                                                                                 |
| 235                                                                               | 16.4                                                                              | 231.7                                                                             | 9,800                                                                             | 20.8                                                                              | 248.2                                                                             | 11,200                                                                            | 26.1                                                                               | 266.8                                                                               | 9,900                                                                               | 235                                                                                 |
| 240                                                                               | 11.0                                                                              | 210.7                                                                             | 8,400                                                                             | 16.9                                                                              | 233.3                                                                             | 10,600                                                                            | 23.1                                                                               | 255.7                                                                               | 9,400                                                                               | 240                                                                                 |
| 244                                                                               | 0.7                                                                               | 169.3                                                                             | 5,700                                                                             | 10.7                                                                              | 211.4                                                                             | 9,000                                                                             | 19.8                                                                               | 244.0                                                                               | 8,900                                                                               | 244                                                                                 |
| 249                                                                               |                                                                                   |                                                                                   |                                                                                   | 4.4                                                                               | 183.9                                                                             | 7,000                                                                             | 15.8                                                                               | 229.4                                                                               | 8,400                                                                               | 249                                                                                 |
| 250                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 15.4                                                                               | 226.5                                                                               | 8,300                                                                               | 250                                                                                 |
| 257                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 5.4                                                                                | 187.1                                                                               | 7,500                                                                               | 257                                                                                 |
| 260                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 260                                                                                 |
| 266                                                                               |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     |                                                                                     | 266                                                                                 |

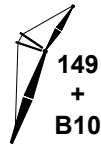




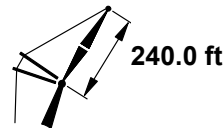
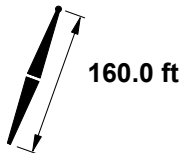
184,600 lb  
+  
44,000 lb

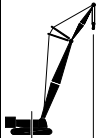
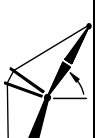
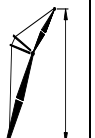
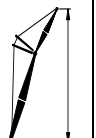
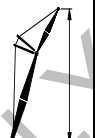
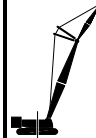


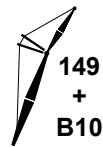
|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 71  |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 104 |      |       |        |      |       |        | 104 |
| 105 |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 124 | 67.9 | 377.9 | 29,500 |      |       |        | 124 |
| 125 | 67.6 | 377.5 | 29,100 |      |       |        | 125 |
| 130 | 66.2 | 375.4 | 27,400 |      |       |        | 130 |
| 135 | 64.9 | 373.1 | 25,800 |      |       |        | 135 |
| 140 | 63.5 | 370.6 | 24,300 |      |       |        | 140 |
| 145 | 62.1 | 368.0 | 22,900 |      |       |        | 145 |
| 150 | 60.7 | 365.2 | 21,700 |      |       |        | 150 |
| 155 | 59.2 | 362.3 | 20,500 |      |       |        | 155 |
| 156 | 58.6 | 361.7 | 20,300 | 62.8 | 366.1 | 16,800 | 156 |
| 160 | 57.8 | 359.2 | 19,400 | 61.7 | 364.0 | 16,000 | 160 |
| 165 | 56.3 | 355.9 | 18,300 | 60.3 | 361.2 | 15,000 | 165 |
| 170 | 54.7 | 352.4 | 17,400 | 58.8 | 358.2 | 14,000 | 170 |
| 175 | 53.2 | 348.7 | 16,500 | 57.3 | 355.1 | 13,100 | 175 |
| 180 | 51.6 | 344.8 | 15,600 | 55.8 | 351.7 | 12,300 | 180 |
| 185 | 50.0 | 340.7 | 14,800 | 54.3 | 348.2 | 11,500 | 185 |
| 190 | 48.4 | 336.4 | 14,000 | 52.8 | 344.4 | 10,800 | 190 |
| 195 | 46.7 | 331.7 | 13,300 | 51.2 | 340.5 | 10,100 | 195 |
| 200 | 44.9 | 326.8 | 12,600 | 49.5 | 336.3 | 9,400  | 200 |
| 205 | 43.1 | 321.6 | 11,900 | 47.9 | 331.9 | 8,800  | 205 |
| 210 | 41.2 | 316.0 | 11,300 | 46.2 | 327.1 | 8,100  | 210 |
| 215 | 39.3 | 310.0 | 10,600 | 44.4 | 322.1 | 7,600  | 215 |
| 220 | 37.3 | 303.6 | 10,000 | 42.6 | 316.8 | 7,000  | 220 |
| 225 | 35.1 | 296.7 | 9,400  | 40.7 | 311.1 | 6,500  | 225 |
| 230 | 32.9 | 289.2 | 8,800  | 38.7 | 305.0 | 6,000  | 230 |
| 235 | 30.5 | 281.0 | 8,300  | 36.7 | 298.5 | 5,500  | 235 |
| 240 | 27.9 | 271.9 | 7,700  |      |       |        | 240 |
| 244 | 24.6 | 263.2 | 7,300  |      |       |        | 244 |
| 249 | 21.6 | 252.3 | 6,800  |      |       |        | 249 |
| 250 | 21.9 | 250.1 | 6,700  |      |       |        | 250 |
| 257 | 15.4 | 227.8 | 6,100  |      |       |        | 257 |
| 260 | 13.6 | 218.3 | 5,800  |      |       |        | 260 |
| 266 | 2.5  | 174.2 | 5,200  |      |       |        | 266 |



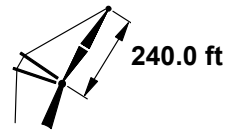
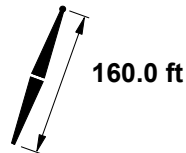
184,600 lb  
+  
44,000 lb



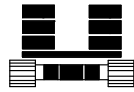
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 74                                                                                | 75.8                                                                                  | 400.4                                                                             | 25,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 74                                                                                  |
| 75                                                                                | 75.6                                                                                  | 400.1                                                                             | 25,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 74.4                                                                                  | 398.8                                                                             | 25,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 73.1                                                                                  | 397.3                                                                             | 25,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 87                                                                                | 72.2                                                                                  | 396.6                                                                             | 25,300                                                                            | 74.0                                                                                  | 398.0                                                                             | 29,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 87                                                                                  |
| 90                                                                                | 71.9                                                                                  | 395.7                                                                             | 25,100                                                                            | 73.2                                                                                  | 397.1                                                                             | 29,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 70.6                                                                                  | 393.9                                                                             | 24,700                                                                            | 72.0                                                                                  | 395.5                                                                             | 29,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 69.3                                                                                  | 392.1                                                                             | 24,400                                                                            | 70.7                                                                                  | 393.8                                                                             | 28,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 105                                                                               | 68.0                                                                                  | 390.1                                                                             | 24,000                                                                            | 69.5                                                                                  | 391.9                                                                             | 28,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 105                                                                                 |
| 108                                                                               | 66.8                                                                                  | 388.8                                                                             | 23,800                                                                            | 68.4                                                                                  | 390.7                                                                             | 28,400                                                                            | 70.8                                                                                    | 393.0                                                                               | 28,000                                                                              | 108                                                                                 |
| 110                                                                               | 66.7                                                                                  | 388.0                                                                             | 23,700                                                                            | 68.2                                                                                  | 390.0                                                                             | 28,300                                                                            | 70.3                                                                                    | 392.2                                                                               | 28,000                                                                              | 110                                                                                 |
| 115                                                                               | 65.4                                                                                  | 385.7                                                                             | 23,300                                                                            | 66.9                                                                                  | 387.9                                                                             | 28,100                                                                            | 69.0                                                                                    | 390.4                                                                               | 27,900                                                                              | 115                                                                                 |
| 120                                                                               | 64.1                                                                                  | 383.3                                                                             | 23,000                                                                            | 65.6                                                                                  | 385.6                                                                             | 27,800                                                                            | 67.7                                                                                    | 388.3                                                                               | 27,800                                                                              | 120                                                                                 |
| 125                                                                               | 62.8                                                                                  | 380.8                                                                             | 22,700                                                                            | 64.3                                                                                  | 383.2                                                                             | 26,900                                                                            | 66.4                                                                                    | 386.2                                                                               | 27,600                                                                              | 125                                                                                 |
| 128                                                                               | 61.4                                                                                  | 379.2                                                                             | 22,400                                                                            | 62.8                                                                                  | 381.7                                                                             | 26,400                                                                            | 65.4                                                                                    | 384.8                                                                               | 27,500                                                                              | 128                                                                                 |
| 130                                                                               | 61.4                                                                                  | 378.1                                                                             | 22,100                                                                            | 62.9                                                                                  | 380.7                                                                             | 26,100                                                                            | 65.1                                                                                    | 383.9                                                                               | 27,500                                                                              | 130                                                                                 |
| 135                                                                               | 60.0                                                                                  | 375.3                                                                             | 21,200                                                                            | 61.6                                                                                  | 378.1                                                                             | 25,200                                                                            | 63.8                                                                                    | 381.5                                                                               | 27,400                                                                              | 135                                                                                 |
| 140                                                                               | 58.6                                                                                  | 372.3                                                                             | 20,400                                                                            | 60.2                                                                                  | 375.2                                                                             | 24,300                                                                            | 62.5                                                                                    | 378.9                                                                               | 26,100                                                                              | 140                                                                                 |
| 145                                                                               | 57.2                                                                                  | 369.1                                                                             | 19,600                                                                            | 58.8                                                                                  | 372.3                                                                             | 23,400                                                                            | 61.1                                                                                    | 376.2                                                                               | 24,600                                                                              | 145                                                                                 |
| 150                                                                               | 55.8                                                                                  | 365.8                                                                             | 18,800                                                                            | 57.4                                                                                  | 369.1                                                                             | 22,500                                                                            | 59.7                                                                                    | 373.3                                                                               | 23,300                                                                              | 150                                                                                 |
| 155                                                                               | 54.3                                                                                  | 362.2                                                                             | 18,000                                                                            | 56.0                                                                                  | 365.8                                                                             | 21,700                                                                            | 58.3                                                                                    | 370.3                                                                               | 22,000                                                                              | 155                                                                                 |
| 160                                                                               | 52.8                                                                                  | 358.5                                                                             | 17,300                                                                            | 54.5                                                                                  | 362.3                                                                             | 20,900                                                                            | 56.9                                                                                    | 367.1                                                                               | 20,900                                                                              | 160                                                                                 |
| 165                                                                               | 51.3                                                                                  | 354.6                                                                             | 16,500                                                                            | 53.0                                                                                  | 358.6                                                                             | 20,100                                                                            | 55.5                                                                                    | 363.7                                                                               | 19,800                                                                              | 165                                                                                 |
| 170                                                                               | 49.8                                                                                  | 350.4                                                                             | 15,900                                                                            | 51.5                                                                                  | 354.7                                                                             | 19,300                                                                            | 54.0                                                                                    | 360.1                                                                               | 18,700                                                                              | 170                                                                                 |
| 175                                                                               | 48.2                                                                                  | 346.0                                                                             | 15,200                                                                            | 50.0                                                                                  | 350.5                                                                             | 18,500                                                                            | 52.5                                                                                    | 356.4                                                                               | 17,800                                                                              | 175                                                                                 |
| 180                                                                               | 46.6                                                                                  | 341.3                                                                             | 14,600                                                                            | 48.4                                                                                  | 346.1                                                                             | 17,800                                                                            | 51.0                                                                                    | 352.4                                                                               | 16,900                                                                              | 180                                                                                 |
| 185                                                                               | 44.9                                                                                  | 336.4                                                                             | 13,900                                                                            | 46.7                                                                                  | 341.5                                                                             | 17,100                                                                            | 49.4                                                                                    | 348.2                                                                               | 16,000                                                                              | 185                                                                                 |
| 190                                                                               | 43.1                                                                                  | 331.2                                                                             | 13,400                                                                            | 45.1                                                                                  | 336.6                                                                             | 16,400                                                                            | 47.8                                                                                    | 343.7                                                                               | 15,200                                                                              | 190                                                                                 |
| 195                                                                               | 41.4                                                                                  | 325.6                                                                             | 12,900                                                                            | 43.3                                                                                  | 331.4                                                                             | 15,700                                                                            | 46.2                                                                                    | 339.0                                                                               | 14,400                                                                              | 195                                                                                 |
| 200                                                                               | 39.5                                                                                  | 319.7                                                                             | 12,400                                                                            | 41.6                                                                                  | 325.9                                                                             | 15,100                                                                            | 44.5                                                                                    | 334.0                                                                               | 13,700                                                                              | 200                                                                                 |
| 205                                                                               | 37.6                                                                                  | 313.3                                                                             | 11,900                                                                            | 39.7                                                                                  | 320.0                                                                             | 14,500                                                                            | 42.8                                                                                    | 328.7                                                                               | 13,000                                                                              | 205                                                                                 |
| 210                                                                               | 35.6                                                                                  | 306.5                                                                             | 11,600                                                                            | 37.8                                                                                  | 313.7                                                                             | 13,800                                                                            | 41.0                                                                                    | 323.1                                                                               | 12,400                                                                              | 210                                                                                 |
| 215                                                                               | 33.4                                                                                  | 299.2                                                                             | 11,100                                                                            | 35.8                                                                                  | 307.0                                                                             | 13,200                                                                            | 39.1                                                                                    | 317.0                                                                               | 11,700                                                                              | 215                                                                                 |
| 220                                                                               | 31.2                                                                                  | 291.2                                                                             | 10,800                                                                            | 33.7                                                                                  | 299.7                                                                             | 12,500                                                                            | 37.1                                                                                    | 310.6                                                                               | 11,100                                                                              | 220                                                                                 |
| 225                                                                               | 28.8                                                                                  | 282.4                                                                             | 10,500                                                                            | 31.5                                                                                  | 291.7                                                                             | 11,900                                                                            | 35.1                                                                                    | 303.7                                                                               | 10,500                                                                              | 225                                                                                 |
| 230                                                                               | 26.2                                                                                  | 272.6                                                                             | 9,800                                                                             | 29.1                                                                                  | 283.1                                                                             | 11,300                                                                            | 33.0                                                                                    | 296.2                                                                               | 9,900                                                                               | 230                                                                                 |
| 235                                                                               | 23.3                                                                                  | 261.6                                                                             | 9,200                                                                             | 26.5                                                                                  | 273.4                                                                             | 10,800                                                                            | 30.7                                                                                    | 288.0                                                                               | 9,300                                                                               | 235                                                                                 |
| 240                                                                               | 20.0                                                                                  | 248.8                                                                             | 8,600                                                                             | 23.6                                                                                  | 262.6                                                                             | 10,200                                                                            | 28.2                                                                                    | 279.0                                                                               | 8,800                                                                               | 240                                                                                 |
| 245                                                                               | 16.1                                                                                  | 233.1                                                                             | 8,100                                                                             | 20.4                                                                                  | 250.0                                                                             | 9,700                                                                             | 25.5                                                                                    | 269.0                                                                               | 8,200                                                                               | 245                                                                                 |
| 250                                                                               | 10.8                                                                                  | 211.7                                                                             | 6,700                                                                             | 16.6                                                                                  | 234.8                                                                             | 8,900                                                                             | 22.6                                                                                    | 257.7                                                                               | 7,700                                                                               | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   | 11.5                                                                                  | 214.3                                                                             | 7,300                                                                             | 19.2                                                                                    | 244.4                                                                               | 7,200                                                                               | 255                                                                                 |
| 259                                                                               |                                                                                       |                                                                                   |                                                                                   | 4.3                                                                                   | 184.3                                                                             | 5,400                                                                             | 15.8                                                                                    | 231.1                                                                               | 6,800                                                                               | 259                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.1                                                                                    | 227.8                                                                               | 6,700                                                                               | 260                                                                                 |
| 267                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.3                                                                                     | 187.5                                                                               | 6,000                                                                               | 267                                                                                 |



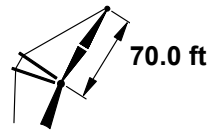
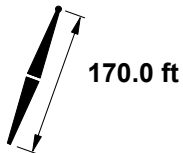
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 74  |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        | 85  |
| 87  |      |       |        |      |       |        | 87  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        | 105 |
| 108 |      |       |        |      |       |        | 108 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 125 |      |       |        |      |       |        | 125 |
| 128 | 67.8 | 387.1 | 27,500 |      |       |        | 128 |
| 130 | 67.3 | 386.3 | 26,900 |      |       |        | 130 |
| 135 | 66.0 | 384.1 | 25,300 |      |       |        | 135 |
| 140 | 64.7 | 381.7 | 23,800 |      |       |        | 140 |
| 145 | 63.3 | 379.3 | 22,400 |      |       |        | 145 |
| 150 | 62.0 | 376.7 | 21,200 |      |       |        | 150 |
| 155 | 60.6 | 373.9 | 20,000 |      |       |        | 155 |
| 160 | 59.3 | 371.0 | 18,900 | 63.0 | 375.3 | 15,200 | 160 |
| 165 | 57.8 | 367.9 | 17,900 | 61.6 | 372.7 | 14,200 | 165 |
| 170 | 56.4 | 364.6 | 16,900 | 60.2 | 369.9 | 13,200 | 170 |
| 175 | 55.0 | 361.1 | 16,000 | 58.9 | 366.9 | 12,400 | 175 |
| 180 | 53.5 | 357.5 | 15,100 | 57.4 | 363.7 | 11,500 | 180 |
| 185 | 52.0 | 353.6 | 14,300 | 56.0 | 360.4 | 10,800 | 185 |
| 190 | 50.4 | 349.6 | 13,500 | 54.6 | 356.9 | 10,000 | 190 |
| 195 | 48.9 | 345.3 | 12,700 | 53.1 | 353.2 | 9,300  | 195 |
| 200 | 47.3 | 340.8 | 12,000 | 51.6 | 349.3 | 8,700  | 200 |
| 205 | 45.6 | 335.9 | 11,300 | 50.0 | 345.2 | 8,000  | 205 |
| 210 | 43.9 | 330.8 | 10,600 | 48.4 | 340.8 | 7,400  | 210 |
| 215 | 42.1 | 325.4 | 9,900  | 46.8 | 336.2 | 6,800  | 215 |
| 220 | 40.3 | 319.7 | 9,300  | 45.1 | 331.3 | 6,300  | 220 |
| 225 | 38.4 | 313.5 | 8,700  | 43.4 | 326.1 | 5,800  | 225 |
| 230 | 36.4 | 306.9 | 8,200  | 41.6 | 320.6 | 5,300  | 230 |
| 235 | 34.4 | 299.8 | 7,600  |      |       |        | 235 |
| 240 | 32.2 | 292.1 | 7,100  |      |       |        | 240 |
| 245 | 29.8 | 283.6 | 6,600  |      |       |        | 245 |
| 250 | 27.3 | 274.3 | 6,100  |      |       |        | 250 |
| 255 | 24.6 | 263.9 | 5,600  |      |       |        | 255 |
| 259 | 21.6 | 254.4 | 5,300  |      |       |        | 259 |
| 260 | 21.5 | 252.0 | 5,200  |      |       |        | 260 |
| 267 |      |       |        |      |       |        | 267 |



184,600 lb  
+  
44,000 lb



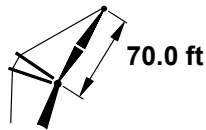
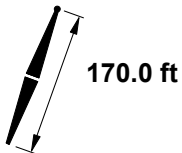
|     | 88°  |       |           | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|-----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |           |      |       |           |      |       |           |     |
|     | ft   | ft    | lb        | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 73.8 | 244.9 | 106,500 d |      |       |           |      |       |           | 34  |
| 36  | 72.0 | 244.2 | 105,000 d |      |       |           |      |       |           | 36  |
| 38  | 70.3 | 243.5 | 103,500 d |      |       |           |      |       |           | 38  |
| 40  | 68.5 | 242.7 | 102,000 d | 73.7 | 244.4 | 118,000 d |      |       |           | 40  |
| 45  | 64.0 | 240.4 | 98,300 b  | 69.4 | 242.7 | 117,400 d |      |       |           | 45  |
| 50  | 59.3 | 237.6 | 94,900 b  | 64.9 | 240.4 | 110,400 b |      |       |           | 50  |
| 52  | 57.0 | 236.2 | 93,700 b  | 62.4 | 239.4 | 107,800 b | 71.0 | 242.4 | 114,200 d | 52  |
| 55  | 54.4 | 234.2 | 91,900    | 60.2 | 237.7 | 103,900 b | 68.3 | 241.2 | 106,100 d | 55  |
| 60  | 49.1 | 230.1 | 85,200    | 55.3 | 234.4 | 98,100    | 63.8 | 238.9 | 94,800 b  | 60  |
| 65  | 43.3 | 225.1 | 78,400    | 50.1 | 230.5 | 90,100    | 59.1 | 236.1 | 85,500 b  | 65  |
| 70  | 36.8 | 218.9 | 72,600    | 44.4 | 225.7 | 81,900    | 54.1 | 232.6 | 77,800    | 70  |
| 75  | 29.1 | 210.9 | 67,900    | 38.1 | 219.8 | 75,000    | 48.8 | 228.5 | 71,200    | 75  |
| 80  | 18.4 | 198.9 | 65,200    | 30.6 | 212.2 | 69,000    | 43.0 | 223.5 | 65,600    | 80  |
| 83  | 5.3  | 183.2 | 56,900    | 24.0 | 205.6 | 65,900    | 38.8 | 219.7 | 62,600    | 83  |
| 85  |      |       |           | 20.8 | 201.3 | 63,800    | 36.5 | 217.2 | 60,600    | 85  |
| 89  |      |       |           | 4.3  | 181.6 | 57,800    | 29.6 | 210.7 | 57,200    | 89  |
| 90  |      |       |           |      |       |           | 28.7 | 209.1 | 56,300    | 90  |
| 95  |      |       |           |      |       |           | 17.8 | 196.8 | 52,400    | 95  |
| 97  |      |       |           |      |       |           | 10.6 | 188.2 | 50,900    | 97  |
| 100 |      |       |           |      |       |           |      |       |           | 100 |
| 104 |      |       |           |      |       |           |      |       |           | 104 |
| 105 |      |       |           |      |       |           |      |       |           | 105 |
| 106 |      |       |           |      |       |           |      |       |           | 106 |
| 110 |      |       |           |      |       |           |      |       |           | 110 |
| 115 |      |       |           |      |       |           |      |       |           | 115 |
| 120 |      |       |           |      |       |           |      |       |           | 120 |
| 121 |      |       |           |      |       |           |      |       |           | 121 |
| 123 |      |       |           |      |       |           |      |       |           | 123 |
| 125 |      |       |           |      |       |           |      |       |           | 125 |
| 130 |      |       |           |      |       |           |      |       |           | 130 |
| 135 |      |       |           |      |       |           |      |       |           | 135 |
| 140 |      |       |           |      |       |           |      |       |           | 140 |
| 145 |      |       |           |      |       |           |      |       |           | 145 |
| 148 |      |       |           |      |       |           |      |       |           | 148 |

# MLC250 S-2

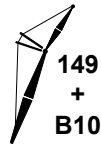
ASME B30.5



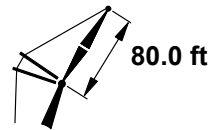
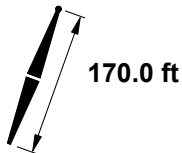
184,600 lb  
+  
44,000 lb



|     | 80°  |       |                 | 75°  |       |                 | 70°  |       |                 | 65°  |       |        |     |
|-----|------|-------|-----------------|------|-------|-----------------|------|-------|-----------------|------|-------|--------|-----|
|     |      |       |                 |      |       |                 |      |       |                 |      |       |        |     |
|     | ft   | ft    | lb              | ft   | lb    | ft              | lb   | ft    | lb              | ft   | lb    | ft     |     |
| 34  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 34  |
| 36  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 36  |
| 38  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 38  |
| 40  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 40  |
| 45  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 45  |
| 50  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 50  |
| 52  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 52  |
| 55  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 55  |
| 60  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 60  |
| 65  | 67.3 | 239.3 | 81,000 <b>c</b> |      |       |                 |      |       |                 |      |       |        | 65  |
| 70  | 62.7 | 236.8 | 73,600 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 70  |
| 75  | 57.9 | 233.8 | 67,400 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 75  |
| 80  | 52.9 | 230.3 | 62,000          |      |       |                 |      |       |                 |      |       |        | 80  |
| 83  | 49.0 | 227.7 | 59,200          |      |       |                 |      |       |                 |      |       |        | 83  |
| 85  | 47.5 | 225.9 | 57,400          | 62.2 | 233.1 | 51,900 <b>b</b> |      |       |                 |      |       |        | 85  |
| 89  | 42.2 | 221.7 | 54,100          | 58.0 | 230.7 | 49,000 <b>b</b> |      |       |                 |      |       |        | 89  |
| 90  | 41.5 | 220.7 | 53,300          | 57.4 | 230.1 | 48,200          |      |       |                 |      |       |        | 90  |
| 95  | 34.7 | 214.0 | 49,700          | 52.3 | 226.4 | 44,900          |      |       |                 |      |       |        | 95  |
| 97  | 30.8 | 210.5 | 48,300          | 49.6 | 224.6 | 43,700          |      |       |                 |      |       |        | 97  |
| 100 | 26.4 | 205.2 | 46,400          | 46.8 | 222.0 | 42,000          |      |       |                 |      |       |        | 100 |
| 104 | 15.6 | 193.6 | 44,000          | 41.2 | 217.7 | 39,900          | 57.5 | 225.5 | 35,600 <b>b</b> |      |       |        | 104 |
| 105 | 13.9 | 190.8 | 43,400          | 40.8 | 216.6 | 39,300          | 56.5 | 224.8 | 35,200          |      |       |        | 105 |
| 106 | 9.4  | 185.4 | 42,800          | 38.6 | 215.2 | 38,900          | 55.0 | 224.0 | 34,800          |      |       |        | 106 |
| 110 |      |       |                 | 33.9 | 209.8 | 36,900          | 51.3 | 221.0 | 33,000          |      |       |        | 110 |
| 115 |      |       |                 | 25.3 | 200.6 | 34,700          | 45.8 | 216.4 | 31,100          |      |       |        | 115 |
| 120 |      |       |                 | 11.6 | 184.6 | 32,600          | 39.6 | 210.8 | 29,300          |      |       |        | 120 |
| 121 |      |       |                 | 5.2  | 176.9 | 32,200          | 37.6 | 209.4 | 28,900          |      |       |        | 121 |
| 123 |      |       |                 |      |       |                 | 34.8 | 206.5 | 28,300          | 52.0 | 215.7 | 24,900 | 123 |
| 125 |      |       |                 |      |       |                 | 32.5 | 203.7 | 27,600          | 49.9 | 214.0 | 24,300 | 125 |
| 130 |      |       |                 |      |       |                 | 23.4 | 193.8 | 26,000          | 44.2 | 209.2 | 23,000 | 130 |
| 135 |      |       |                 |      |       |                 | 6.1  | 173.3 | 24,500          | 37.8 | 203.2 | 21,700 | 135 |
| 140 |      |       |                 |      |       |                 |      |       |                 | 30.3 | 195.5 | 20,500 | 140 |
| 145 |      |       |                 |      |       |                 |      |       |                 | 20.3 | 184.3 | 19,400 | 145 |
| 148 |      |       |                 |      |       |                 |      |       |                 | 10.2 | 172.5 | 18,600 | 148 |



184,600 lb  
+  
44,000 lb



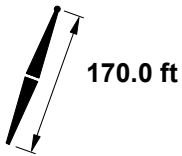
|     | 88°  |       |          | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|----------|------|-------|-----------|------|-------|-----------|-----|
|     |      |       |          |      |       |           |      |       |           |     |
|     | ft   | ft    | lb       | ft   | lb    | ft        | lb   | ft    | ft        |     |
| 34  | 75.8 | 255.3 | 98,100 d |      |       |           |      |       |           | 34  |
| 36  | 74.4 | 254.7 | 97,000 d |      |       |           |      |       |           | 36  |
| 38  | 72.9 | 254.1 | 95,800 d |      |       |           |      |       |           | 38  |
| 40  | 71.3 | 253.4 | 94,400 d |      |       |           |      |       |           | 40  |
| 43  | 68.6 | 252.2 | 92,300 d | 73.6 | 254.0 | 112,500 d |      |       |           | 43  |
| 45  | 67.5 | 251.4 | 90,900 b | 72.0 | 253.3 | 111,400 d |      |       |           | 45  |
| 50  | 63.5 | 249.0 | 87,700 b | 68.2 | 251.4 | 106,400 b |      |       |           | 50  |
| 55  | 59.4 | 246.2 | 85,000   | 64.3 | 249.1 | 100,400 b |      |       |           | 55  |
| 56  | 58.2 | 245.5 | 84,400   | 63.2 | 248.6 | 99,300 b  | 70.4 | 251.6 | 103,100 c | 56  |
| 60  | 55.1 | 242.9 | 81,900   | 60.2 | 246.4 | 94,900    | 67.3 | 250.0 | 94,300 b  | 60  |
| 65  | 50.6 | 239.0 | 75,000   | 55.9 | 243.2 | 89,700    | 63.3 | 247.6 | 85,000 b  | 65  |
| 68  | 47.0 | 236.2 | 71,500   | 52.6 | 240.9 | 84,900    | 60.6 | 245.9 | 80,400 b  | 68  |
| 70  | 45.7 | 234.3 | 69,100   | 51.4 | 239.4 | 81,600    | 59.2 | 244.7 | 77,300    | 70  |
| 75  | 40.3 | 228.8 | 63,900   | 46.6 | 234.9 | 74,700    | 54.9 | 241.4 | 70,800    | 75  |
| 80  | 34.3 | 222.0 | 59,500   | 41.4 | 229.5 | 68,800    | 50.3 | 237.4 | 65,200    | 80  |
| 85  | 27.1 | 213.3 | 56,100   | 35.5 | 223.0 | 63,600    | 45.4 | 232.7 | 60,300    | 85  |
| 89  | 19.0 | 203.0 | 54,700   | 29.4 | 216.4 | 60,000    | 41.0 | 228.3 | 56,800    | 89  |
| 90  | 17.2 | 200.4 | 54,300   | 28.5 | 214.7 | 59,100    | 40.1 | 227.2 | 56,000    | 90  |
| 93  | 4.9  | 183.5 | 50,600   | 22.6 | 207.6 | 56,700    | 36.4 | 223.0 | 53,700    | 93  |
| 95  |      |       |          | 19.4 | 202.9 | 55,000    | 34.0 | 220.3 | 52,200    | 95  |
| 99  |      |       |          | 4.0  | 181.9 | 51,500    | 27.6 | 213.2 | 49,400    | 99  |
| 100 |      |       |          |      |       |           | 26.7 | 211.4 | 48,800    | 100 |
| 105 |      |       |          |      |       |           | 16.6 | 198.2 | 45,600    | 105 |
| 107 |      |       |          |      |       |           | 9.8  | 189.0 | 44,400    | 107 |
| 109 |      |       |          |      |       |           |      |       |           | 109 |
| 110 |      |       |          |      |       |           |      |       |           | 110 |
| 115 |      |       |          |      |       |           |      |       |           | 115 |
| 116 |      |       |          |      |       |           |      |       |           | 116 |
| 120 |      |       |          |      |       |           |      |       |           | 120 |
| 125 |      |       |          |      |       |           |      |       |           | 125 |
| 129 |      |       |          |      |       |           |      |       |           | 129 |
| 130 |      |       |          |      |       |           |      |       |           | 130 |
| 131 |      |       |          |      |       |           |      |       |           | 131 |
| 135 |      |       |          |      |       |           |      |       |           | 135 |
| 140 |      |       |          |      |       |           |      |       |           | 140 |
| 145 |      |       |          |      |       |           |      |       |           | 145 |
| 150 |      |       |          |      |       |           |      |       |           | 150 |
| 155 |      |       |          |      |       |           |      |       |           | 155 |
| 158 |      |       |          |      |       |           |      |       |           | 158 |

# MLC250 S-2

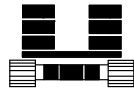
ASME B30.5



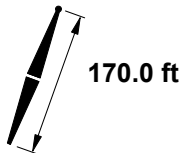
184,600 lb  
+  
44,000 lb

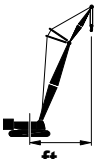
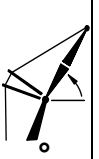
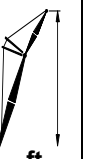
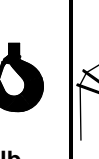


|     | 80°  |       |          | 75°  |       |          | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | ft    | lb       | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 34  |      |       |          |      |       |          |      |       |        |      |       |        | 34  |
| 36  |      |       |          |      |       |          |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |          |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |          |      |       |        |      |       |        | 40  |
| 43  |      |       |          |      |       |          |      |       |        |      |       |        | 43  |
| 45  |      |       |          |      |       |          |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |          |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |          |      |       |        |      |       |        | 55  |
| 56  |      |       |          |      |       |          |      |       |        |      |       |        | 56  |
| 60  |      |       |          |      |       |          |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |          |      |       |        |      |       |        | 65  |
| 68  | 67.9 | 248.9 | 75,800 b |      |       |          |      |       |        |      |       |        | 68  |
| 70  | 66.4 | 248.0 | 73,000 b |      |       |          |      |       |        |      |       |        | 70  |
| 75  | 62.4 | 245.5 | 66,800   |      |       |          |      |       |        |      |       |        | 75  |
| 80  | 58.2 | 242.5 | 61,500   |      |       |          |      |       |        |      |       |        | 80  |
| 85  | 53.8 | 239.0 | 56,900   |      |       |          |      |       |        |      |       |        | 85  |
| 89  | 49.8 | 235.7 | 53,600   | 62.7 | 242.3 | 48,300 b |      |       |        |      |       |        | 89  |
| 90  | 49.2 | 234.9 | 52,800   | 61.9 | 241.8 | 47,600   |      |       |        |      |       |        | 90  |
| 93  | 46.0 | 232.0 | 50,700   | 58.6 | 240.0 | 45,600   |      |       |        |      |       |        | 93  |
| 95  | 44.2 | 230.0 | 49,200   | 57.7 | 238.8 | 44,300   |      |       |        |      |       |        | 95  |
| 99  | 39.2 | 225.4 | 46,700   | 53.8 | 235.9 | 42,000   |      |       |        |      |       |        | 99  |
| 100 | 38.7 | 224.2 | 46,000   | 53.3 | 235.2 | 41,400   |      |       |        |      |       |        | 100 |
| 105 | 32.4 | 216.9 | 43,100   | 48.6 | 231.0 | 38,800   |      |       |        |      |       |        | 105 |
| 107 | 28.8 | 213.1 | 42,100   | 46.0 | 229.0 | 37,900   |      |       |        |      |       |        | 107 |
| 109 | 25.6 | 209.3 | 41,000   | 44.0 | 227.0 | 36,900   | 57.8 | 234.2 | 32,800 |      |       |        | 109 |
| 110 | 24.6 | 207.4 | 40,500   | 43.6 | 226.0 | 36,400   | 56.9 | 233.5 | 32,400 |      |       |        | 110 |
| 115 | 12.9 | 191.8 | 38,000   | 38.0 | 220.1 | 34,300   | 52.5 | 229.8 | 30,400 |      |       |        | 115 |
| 116 | 8.8  | 186.1 | 37,500   | 36.6 | 218.6 | 33,900   | 51.0 | 229.0 | 30,100 |      |       |        | 116 |
| 120 |      |       |          | 31.6 | 212.6 | 32,300   | 47.8 | 225.5 | 28,700 |      |       |        | 120 |
| 125 |      |       |          | 23.6 | 202.7 | 30,500   | 42.6 | 220.4 | 27,100 |      |       |        | 125 |
| 129 |      |       |          | 12.6 | 188.9 | 29,100   | 37.2 | 215.4 | 25,900 | 52.1 | 223.7 | 22,600 | 129 |
| 130 |      |       |          | 10.8 | 185.5 | 28,700   | 36.9 | 214.2 | 25,600 | 51.2 | 222.9 | 22,300 | 130 |
| 131 |      |       |          | 4.8  | 177.2 | 28,300   | 34.8 | 212.6 | 25,300 | 50.0 | 222.0 | 22,100 | 131 |
| 135 |      |       |          |      |       |          | 30.3 | 206.4 | 24,200 | 46.4 | 218.3 | 21,100 | 135 |
| 140 |      |       |          |      |       |          | 21.8 | 195.7 | 22,900 | 41.1 | 212.9 | 19,900 | 140 |
| 145 |      |       |          |      |       |          | 5.6  | 173.7 | 21,500 | 35.2 | 206.4 | 18,900 | 145 |
| 150 |      |       |          |      |       |          |      |       |        | 28.2 | 198.0 | 17,800 | 150 |
| 155 |      |       |          |      |       |          |      |       |        | 18.9 | 186.0 | 16,900 | 155 |
| 158 |      |       |          |      |       |          |      |       |        | 9.5  | 173.2 | 16,200 | 158 |



184,600 lb  
+  
44,000 lb



|                                                                                      | 88°                                                                                  |                                                                                      |                                                                                      | 86°                                                                                  |                                                                                      |                                                                                      | 83°                                                                                   |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  ft |  ft |  lb |  ft |  ft |  lb |  ft |  ft |  lb |  ft |
| 37                                                                                   | 75.5                                                                                 | 264.8                                                                                | 89,200 d                                                                             |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 37                                                                                     |
| 38                                                                                   | 74.8                                                                                 | 264.5                                                                                | 88,700 d                                                                             |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 73.5                                                                                 | 263.9                                                                                | 87,500 d                                                                             |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 70.1                                                                                 | 262.2                                                                                | 84,400 b                                                                             |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 45                                                                                     |
| 46                                                                                   | 69.2                                                                                 | 261.8                                                                                | 83,900 b                                                                             | 73.4                                                                                 | 263.5                                                                                | 102,600 d                                                                            |                                                                                       |                                                                                        |                                                                                        | 46                                                                                     |
| 50                                                                                   | 66.7                                                                                 | 260.1                                                                                | 81,500 b                                                                             | 70.8                                                                                 | 262.2                                                                                | 100,800 b                                                                            |                                                                                       |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 63.1                                                                                 | 257.7                                                                                | 78,900                                                                               | 67.3                                                                                 | 260.2                                                                                | 97,400 b                                                                             |                                                                                       |                                                                                        |                                                                                        | 55                                                                                     |
| 59                                                                                   | 59.8                                                                                 | 255.4                                                                                | 77,900                                                                               | 63.8                                                                                 | 258.3                                                                                | 93,200 b                                                                             | 70.6                                                                                  | 261.1                                                                                  | 96,000 b                                                                               | 59                                                                                     |
| 60                                                                                   | 59.5                                                                                 | 254.9                                                                                | 77,600                                                                               | 63.8                                                                                 | 257.8                                                                                | 92,200                                                                               | 70.0                                                                                  | 260.8                                                                                  | 94,000 b                                                                               | 60                                                                                     |
| 65                                                                                   | 55.7                                                                                 | 251.6                                                                                | 72,600                                                                               | 60.2                                                                                 | 255.0                                                                                | 86,800                                                                               | 66.5                                                                                  | 258.7                                                                                  | 84,700 b                                                                               | 65                                                                                     |
| 70                                                                                   | 51.7                                                                                 | 247.8                                                                                | 66,700                                                                               | 56.4                                                                                 | 251.9                                                                                | 80,400                                                                               | 63.0                                                                                  | 256.2                                                                                  | 77,000                                                                                 | 70                                                                                     |
| 72                                                                                   | 49.4                                                                                 | 246.1                                                                                | 64,700                                                                               | 54.4                                                                                 | 250.4                                                                                | 78,000                                                                               | 60.8                                                                                  | 255.1                                                                                  | 74,400                                                                                 | 72                                                                                     |
| 75                                                                                   | 47.4                                                                                 | 243.4                                                                                | 61,600                                                                               | 52.4                                                                                 | 248.2                                                                                | 74,500                                                                               | 59.3                                                                                  | 253.4                                                                                  | 70,500                                                                                 | 75                                                                                     |
| 80                                                                                   | 42.9                                                                                 | 238.3                                                                                | 57,100                                                                               | 48.3                                                                                 | 243.9                                                                                | 68,600                                                                               | 55.5                                                                                  | 250.1                                                                                  | 64,900                                                                                 | 80                                                                                     |
| 85                                                                                   | 37.9                                                                                 | 232.3                                                                                | 53,200                                                                               | 43.8                                                                                 | 238.9                                                                                | 63,500                                                                               | 51.5                                                                                  | 246.3                                                                                  | 60,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 32.2                                                                                 | 224.9                                                                                | 49,900                                                                               | 38.9                                                                                 | 233.1                                                                                | 59,000                                                                               | 47.2                                                                                  | 241.8                                                                                  | 55,700                                                                                 | 90                                                                                     |
| 94                                                                                   | 26.4                                                                                 | 217.4                                                                                | 47,800                                                                               | 34.0                                                                                 | 227.4                                                                                | 55,800                                                                               | 43.0                                                                                  | 237.7                                                                                  | 52,700                                                                                 | 94                                                                                     |
| 95                                                                                   | 25.5                                                                                 | 215.5                                                                                | 47,300                                                                               | 33.3                                                                                 | 226.0                                                                                | 55,000                                                                               | 42.7                                                                                  | 236.7                                                                                  | 52,000                                                                                 | 95                                                                                     |
| 100                                                                                  | 16.1                                                                                 | 201.8                                                                                | 46,000                                                                               | 26.8                                                                                 | 217.1                                                                                | 51,400                                                                               | 37.7                                                                                  | 230.6                                                                                  | 48,600                                                                                 | 100                                                                                    |
| 103                                                                                  | 4.6                                                                                  | 183.9                                                                                | 45,400                                                                               | 21.2                                                                                 | 209.5                                                                                | 49,500                                                                               | 33.4                                                                                  | 226.1                                                                                  | 46,800                                                                                 | 103                                                                                    |
| 105                                                                                  |                                                                                      |                                                                                      |                                                                                      | 18.2                                                                                 | 204.5                                                                                | 48,200                                                                               | 32.0                                                                                  | 223.2                                                                                  | 45,600                                                                                 | 105                                                                                    |
| 109                                                                                  |                                                                                      |                                                                                      |                                                                                      | 3.7                                                                                  | 182.1                                                                                | 45,700                                                                               | 26.2                                                                                  | 215.6                                                                                  | 43,400                                                                                 | 109                                                                                    |
| 110                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 25.1                                                                                  | 213.7                                                                                  | 42,800                                                                                 | 110                                                                                    |
| 114                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 17.0                                                                                  | 202.4                                                                                  | 40,800                                                                                 | 114                                                                                    |
| 115                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 15.6                                                                                  | 199.5                                                                                  | 40,300                                                                                 | 115                                                                                    |
| 117                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      | 9.2                                                                                   | 189.8                                                                                  | 39,300                                                                                 | 117                                                                                    |
| 120                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 120                                                                                    |
| 125                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 125                                                                                    |
| 126                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 126                                                                                    |
| 130                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 135                                                                                    |
| 140                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 140                                                                                    |
| 141                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 141                                                                                    |
| 145                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 150                                                                                    |
| 155                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 155                                                                                    |
| 160                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 165                                                                                    |
| 168                                                                                  |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                      |                                                                                       |                                                                                        |                                                                                        | 168                                                                                    |

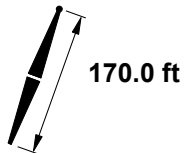


# MLC250 S-2

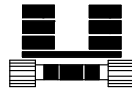
ASME B30.5



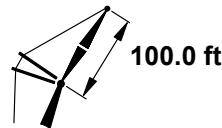
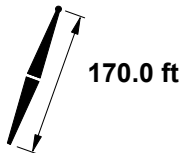
184,600 lb  
+  
44,000 lb



|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 37  |      |       |          |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |          |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |          |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |          |      |       |        |      |       |        |      |       |        | 70  |
| 72  | 67.8 | 258.0 | 70,100 b |      |       |        |      |       |        |      |       |        | 72  |
| 75  | 65.7 | 256.7 | 66,500   |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 62.1 | 254.1 | 61,200   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 58.4 | 251.2 | 56,500   |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 54.5 | 247.8 | 52,500   |      |       |        |      |       |        |      |       |        | 90  |
| 94  | 50.8 | 244.6 | 49,700   | 62.4 | 251.0 | 44,500 |      |       |        |      |       |        | 94  |
| 95  | 50.5 | 243.8 | 48,900   | 61.7 | 250.4 | 43,900 |      |       |        |      |       |        | 95  |
| 100 | 46.2 | 239.2 | 45,800   | 58.0 | 247.4 | 41,000 |      |       |        |      |       |        | 100 |
| 103 | 43.0 | 236.0 | 44,000   | 55.2 | 245.3 | 39,500 |      |       |        |      |       |        | 103 |
| 105 | 41.5 | 233.9 | 42,900   | 54.1 | 244.0 | 38,400 |      |       |        |      |       |        | 105 |
| 109 | 37.0 | 228.8 | 40,800   | 50.8 | 240.7 | 36,600 |      |       |        |      |       |        | 109 |
| 110 | 36.3 | 227.5 | 40,300   | 50.0 | 239.9 | 36,100 |      |       |        |      |       |        | 110 |
| 114 | 31.2 | 221.2 | 38,400   | 46.0 | 236.2 | 34,400 | 58.0 | 242.8 | 30,400 |      |       |        | 114 |
| 115 | 30.4 | 219.7 | 38,000   | 45.7 | 235.3 | 34,000 | 57.3 | 242.2 | 30,000 |      |       |        | 115 |
| 117 | 27.2 | 215.6 | 37,100   | 43.0 | 233.1 | 33,200 | 55.4 | 240.8 | 29,300 |      |       |        | 117 |
| 120 | 23.1 | 209.4 | 35,800   | 40.9 | 229.8 | 32,000 | 53.4 | 238.6 | 28,300 |      |       |        | 120 |
| 125 | 12.1 | 192.9 | 33,700   | 35.7 | 223.3 | 30,300 | 49.2 | 234.5 | 26,700 |      |       |        | 125 |
| 126 | 8.2  | 186.8 | 33,300   | 33.8 | 221.7 | 29,900 | 48.0 | 233.5 | 26,400 |      |       |        | 126 |
| 130 |      |       |          | 29.7 | 215.3 | 28,600 | 44.8 | 229.7 | 25,200 |      |       |        | 130 |
| 135 |      |       |          | 22.2 | 204.6 | 27,100 | 40.0 | 224.1 | 23,900 | 52.3 | 231.7 | 20,700 | 135 |
| 140 |      |       |          | 10.1 | 186.4 | 25,600 | 34.7 | 217.3 | 22,600 | 48.1 | 227.4 | 19,600 | 140 |
| 141 |      |       |          | 4.5  | 177.5 | 25,200 | 32.8 | 215.6 | 22,400 | 47.0 | 226.4 | 19,400 | 141 |
| 145 |      |       |          |      |       |        | 28.5 | 208.9 | 21,400 | 43.6 | 222.4 | 18,500 | 145 |
| 150 |      |       |          |      |       |        | 20.5 | 197.5 | 20,300 | 38.6 | 216.5 | 17,500 | 150 |
| 155 |      |       |          |      |       |        | 5.2  | 174.1 | 19,100 | 33.1 | 209.4 | 16,600 | 155 |
| 160 |      |       |          |      |       |        |      |       |        | 26.5 | 200.3 | 15,700 | 160 |
| 165 |      |       |          |      |       |        |      |       |        | 17.7 | 187.5 | 14,900 | 165 |
| 168 |      |       |          |      |       |        |      |       |        | 8.9  | 174.0 | 14,300 | 168 |



184,600 lb  
+  
44,000 lb



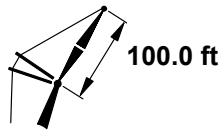
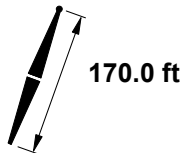
|     | 88°  |       |                 | 86°  |       |                 | 83°  |       |     |  |
|-----|------|-------|-----------------|------|-------|-----------------|------|-------|-----|--|
| ft  | ft   | ft    | lb              | ft   | ft    | lb              | ft   | lb    | ft  |  |
| 39  | 75.8 | 274.6 | 81,400 <b>d</b> |      |       |                 |      |       | 39  |  |
| 40  | 75.2 | 274.4 | 80,900 <b>d</b> |      |       |                 |      |       | 40  |  |
| 45  | 72.2 | 272.8 | 78,300 <b>b</b> |      |       |                 |      |       | 45  |  |
| 48  | 70.2 | 271.7 | 76,800 <b>b</b> | 74.0 | 273.4 | 94,000 <b>b</b> |      |       | 48  |  |
| 50  | 69.1 | 271.0 | 75,800 <b>b</b> | 72.7 | 272.7 | 93,300 <b>b</b> |      |       | 50  |  |
| 55  | 66.0 | 268.9 | 73,400          | 69.7 | 271.0 | 91,400 <b>b</b> |      |       | 55  |  |
| 60  | 62.8 | 266.4 | 72,200          | 66.6 | 268.9 | 88,800          |      |       | 60  |  |
| 62  | 60.8 | 265.2 | 71,200          | 64.8 | 267.9 | 86,500          | 70.8 | 270.7 | 62  |  |
| 65  | 59.5 | 263.5 | 69,600          | 63.4 | 266.5 | 83,100          | 69.0 | 269.5 | 65  |  |
| 70  | 56.1 | 260.3 | 64,500          | 60.2 | 263.7 | 77,500          | 65.9 | 267.4 | 70  |  |
| 75  | 52.6 | 256.6 | 59,600          | 56.8 | 260.5 | 72,000          | 62.7 | 264.9 | 75  |  |
| 76  | 51.2 | 255.8 | 58,700          | 55.4 | 259.8 | 70,900          | 61.4 | 264.3 | 76  |  |
| 80  | 48.8 | 252.4 | 55,200          | 53.2 | 256.9 | 66,700          | 59.4 | 262.0 | 80  |  |
| 85  | 44.8 | 247.6 | 51,200          | 49.5 | 252.8 | 62,100          | 56.0 | 258.8 | 85  |  |
| 90  | 40.6 | 242.0 | 47,800          | 45.6 | 248.2 | 57,400          | 52.4 | 255.1 | 90  |  |
| 95  | 35.8 | 235.5 | 44,800          | 41.4 | 242.7 | 53,500          | 48.6 | 250.8 | 95  |  |
| 98  | 32.0 | 230.8 | 43,300          | 38.0 | 238.9 | 51,300          | 45.6 | 247.9 | 98  |  |
| 100 | 30.5 | 227.6 | 42,300          | 36.8 | 236.4 | 49,900          | 44.7 | 246.0 | 100 |  |
| 105 | 24.1 | 217.6 | 40,300          | 31.6 | 228.8 | 46,800          | 40.4 | 240.4 | 105 |  |
| 110 | 15.3 | 203.1 | 39,000          | 25.4 | 219.3 | 44,400          | 35.6 | 233.8 | 110 |  |
| 113 | 4.3  | 184.2 | 39,000          | 20.2 | 211.3 | 43,200          | 32.0 | 229.1 | 113 |  |
| 115 |      |       |                 | 17.2 | 206.0 | 42,400          | 30.2 | 225.9 | 115 |  |
| 119 |      |       |                 | 3.5  | 182.3 | 40,300          | 24.4 | 217.8 | 119 |  |
| 120 |      |       |                 |      |       |                 | 23.8 | 215.7 | 120 |  |
| 125 |      |       |                 |      |       |                 | 14.7 | 200.8 | 125 |  |
| 127 |      |       |                 |      |       |                 | 8.7  | 190.5 | 127 |  |
| 130 |      |       |                 |      |       |                 |      |       | 130 |  |
| 135 |      |       |                 |      |       |                 |      |       | 135 |  |
| 136 |      |       |                 |      |       |                 |      |       | 136 |  |
| 140 |      |       |                 |      |       |                 |      |       | 140 |  |
| 141 |      |       |                 |      |       |                 |      |       | 141 |  |
| 145 |      |       |                 |      |       |                 |      |       | 145 |  |
| 150 |      |       |                 |      |       |                 |      |       | 150 |  |
| 151 |      |       |                 |      |       |                 |      |       | 151 |  |
| 155 |      |       |                 |      |       |                 |      |       | 155 |  |
| 160 |      |       |                 |      |       |                 |      |       | 160 |  |
| 165 |      |       |                 |      |       |                 |      |       | 165 |  |
| 170 |      |       |                 |      |       |                 |      |       | 170 |  |
| 175 |      |       |                 |      |       |                 |      |       | 175 |  |
| 178 |      |       |                 |      |       |                 |      |       | 178 |  |

# MLC250 S-2

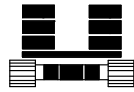
ASME B30.5



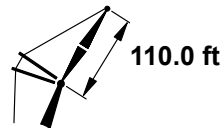
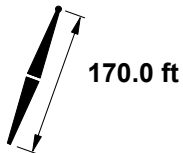
184,600 lb  
+  
44,000 lb

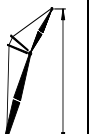


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 48  |      |       |        |      |       |        |      |       |        |      |       |        | 48  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  | 67.6 | 267.2 | 64,700 |      |       |        |      |       |        |      |       |        | 76  |
| 80  | 65.1 | 265.4 | 60,600 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 61.9 | 262.8 | 56,000 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 58.6 | 259.9 | 52,000 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 55.1 | 256.5 | 48,400 |      |       |        |      |       |        |      |       |        | 95  |
| 98  | 52.6 | 254.2 | 46,500 | 62.8 | 260.2 | 41,500 |      |       |        |      |       |        | 98  |
| 100 | 51.5 | 252.7 | 45,200 | 61.5 | 259.1 | 40,400 |      |       |        |      |       |        | 100 |
| 105 | 47.7 | 248.3 | 42,400 | 58.2 | 256.1 | 37,800 |      |       |        |      |       |        | 105 |
| 110 | 43.6 | 243.3 | 39,800 | 54.7 | 252.7 | 35,500 |      |       |        |      |       |        | 110 |
| 113 | 40.6 | 239.8 | 38,500 | 52.2 | 250.4 | 34,300 |      |       |        |      |       |        | 113 |
| 115 | 39.2 | 237.5 | 37,500 | 51.1 | 248.8 | 33,400 |      |       |        |      |       |        | 115 |
| 119 | 35.0 | 232.0 | 35,800 | 47.8 | 245.2 | 31,900 |      |       |        |      |       |        | 119 |
| 120 | 34.4 | 230.6 | 35,400 | 47.3 | 244.4 | 31,500 | 57.6 | 250.9 | 27,600 |      |       |        | 120 |
| 125 | 28.8 | 222.2 | 33,400 | 43.2 | 239.3 | 29,700 | 54.1 | 247.4 | 26,100 |      |       |        | 125 |
| 127 | 25.2 | 217.9 | 32,700 | 41.0 | 236.9 | 29,100 | 52.4 | 245.8 | 25,500 |      |       |        | 127 |
| 130 | 21.9 | 211.3 | 31,600 | 38.7 | 233.4 | 28,100 | 50.4 | 243.4 | 24,600 |      |       |        | 130 |
| 135 | 11.5 | 193.8 | 29,900 | 33.8 | 226.4 | 26,600 | 46.5 | 238.8 | 23,300 |      |       |        | 135 |
| 136 | 7.7  | 187.4 | 29,500 | 32.0 | 224.6 | 26,300 | 45.2 | 237.8 | 23,000 |      |       |        | 136 |
| 140 |      |       |        | 28.1 | 217.8 | 25,200 | 42.4 | 233.6 | 22,000 |      |       |        | 140 |
| 141 |      |       |        | 26.4 | 215.5 | 25,000 | 41.0 | 232.4 | 21,800 | 52.3 | 239.7 | 18,700 | 141 |
| 145 |      |       |        | 21.0 | 206.4 | 23,900 | 37.9 | 227.5 | 20,900 | 49.4 | 236.3 | 17,900 | 145 |
| 150 |      |       |        | 9.6  | 187.1 | 22,600 | 32.8 | 220.3 | 19,800 | 45.4 | 231.6 | 16,900 | 150 |
| 151 |      |       |        | 4.2  | 177.8 | 22,300 | 30.8 | 218.5 | 19,600 | 44.2 | 230.5 | 16,700 | 151 |
| 155 |      |       |        |      |       |        | 26.9 | 211.3 | 18,800 | 41.2 | 226.2 | 16,000 | 155 |
| 160 |      |       |        |      |       |        | 19.4 | 199.2 | 17,800 | 36.5 | 219.8 | 15,200 | 160 |
| 165 |      |       |        |      |       |        | 4.9  | 174.5 | 16,700 | 31.3 | 212.2 | 14,300 | 165 |
| 170 |      |       |        |      |       |        |      |       |        | 25.1 | 202.5 | 13,600 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 16.8 | 188.9 | 12,800 | 175 |
| 178 |      |       |        |      |       |        |      |       |        | 8.4  | 174.6 | 12,300 | 178 |



184,600 lb  
+  
44,000 lb



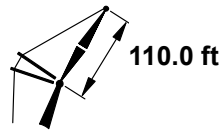
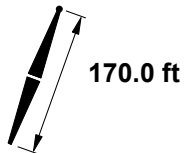
|     |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                       |  83° |                                                                                        |     |  |
|-----|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|-----|--|
|     |  ft  |  ft |  lb |  ft  |  lb |  ft |  lb  |  ft |     |  |
| 41  | 76.0                                                                                  | 284.4                                                                                | 74,500 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         | 41                                                                                     |     |  |
| 45  | 73.9                                                                                  | 283.3                                                                                | 72,800 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         | 45                                                                                     |     |  |
| 50  | 71.1                                                                                  | 281.7                                                                                | 71,700 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         | 50                                                                                     |     |  |
| 51  | 70.4                                                                                  | 281.3                                                                                | 71,300 <b>b</b>                                                                      | 73.8                                                                                  | 282.9                                                                                | 85,900 <b>b</b>                                                                       |                                                                                         | 51                                                                                     |     |  |
| 55  | 68.3                                                                                  | 279.8                                                                                | 69,500                                                                               | 71.6                                                                                  | 281.6                                                                                | 84,900 <b>b</b>                                                                       |                                                                                         | 55                                                                                     |     |  |
| 60  | 65.5                                                                                  | 277.6                                                                                | 66,500                                                                               | 68.9                                                                                  | 279.7                                                                                | 83,100                                                                                |                                                                                         | 60                                                                                     |     |  |
| 65  | 62.6                                                                                  | 275.0                                                                                | 64,700                                                                               | 66.0                                                                                  | 277.6                                                                                | 79,700                                                                                | 71.0                                                                                    | 280.2                                                                                  | 65  |  |
| 70  | 59.6                                                                                  | 272.2                                                                                | 62,600                                                                               | 63.1                                                                                  | 275.1                                                                                | 74,800                                                                                | 68.2                                                                                    | 278.3                                                                                  | 70  |  |
| 75  | 56.5                                                                                  | 269.0                                                                                | 58,300                                                                               | 60.1                                                                                  | 272.4                                                                                | 69,900                                                                                | 65.4                                                                                    | 276.1                                                                                  | 75  |  |
| 80  | 53.3                                                                                  | 265.4                                                                                | 54,200                                                                               | 57.1                                                                                  | 269.2                                                                                | 65,200                                                                                | 62.4                                                                                    | 273.6                                                                                  | 80  |  |
| 85  | 49.9                                                                                  | 261.3                                                                                | 50,200                                                                               | 53.9                                                                                  | 265.7                                                                                | 60,700                                                                                | 59.4                                                                                    | 270.7                                                                                  | 85  |  |
| 90  | 46.4                                                                                  | 256.7                                                                                | 46,700                                                                               | 50.6                                                                                  | 261.7                                                                                | 56,600                                                                                | 56.3                                                                                    | 267.5                                                                                  | 90  |  |
| 95  | 42.6                                                                                  | 251.5                                                                                | 43,600                                                                               | 47.1                                                                                  | 257.2                                                                                | 52,800                                                                                | 53.1                                                                                    | 263.9                                                                                  | 95  |  |
| 100 | 38.6                                                                                  | 245.6                                                                                | 40,900                                                                               | 43.3                                                                                  | 252.2                                                                                | 49,100                                                                                | 49.8                                                                                    | 259.8                                                                                  | 100 |  |
| 103 | 35.6                                                                                  | 241.4                                                                                | 39,500                                                                               | 40.6                                                                                  | 248.7                                                                                | 47,200                                                                                | 47.2                                                                                    | 257.0                                                                                  | 103 |  |
| 105 | 34.1                                                                                  | 238.6                                                                                | 38,500                                                                               | 39.3                                                                                  | 246.3                                                                                | 45,900                                                                                | 46.2                                                                                    | 255.2                                                                                  | 105 |  |
| 110 | 29.0                                                                                  | 230.2                                                                                | 36,500                                                                               | 35.0                                                                                  | 239.6                                                                                | 43,000                                                                                | 42.4                                                                                    | 249.9                                                                                  | 110 |  |
| 115 | 22.9                                                                                  | 219.7                                                                                | 35,100                                                                               | 30.0                                                                                  | 231.5                                                                                | 40,600                                                                                | 38.4                                                                                    | 243.9                                                                                  | 115 |  |
| 120 | 14.5                                                                                  | 204.3                                                                                | 34,100                                                                               | 24.2                                                                                  | 221.5                                                                                | 38,700                                                                                | 33.9                                                                                    | 236.9                                                                                  | 120 |  |
| 123 | 4.0                                                                                   | 184.5                                                                                | 34,100                                                                               | 19.2                                                                                  | 213.0                                                                                | 37,900                                                                                | 30.0                                                                                    | 231.8                                                                                  | 123 |  |
| 125 |                                                                                       |                                                                                      |                                                                                      | 16.4                                                                                  | 207.4                                                                                | 37,300                                                                                | 28.8                                                                                    | 228.4                                                                                  | 125 |  |
| 129 |                                                                                       |                                                                                      |                                                                                      | 3.2                                                                                   | 182.6                                                                                | 36,100                                                                                | 23.2                                                                                    | 219.9                                                                                  | 129 |  |
| 130 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 22.6                                                                                    | 217.7                                                                                  | 130 |  |
| 135 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 14.0                                                                                    | 202.0                                                                                  | 135 |  |
| 137 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       | 8.2                                                                                     | 191.1                                                                                  | 137 |  |
| 140 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 140 |  |
| 145 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 145 |  |
| 146 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 146 |  |
| 147 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 147 |  |
| 150 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 150 |  |
| 155 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 155 |  |
| 160 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 160 |  |
| 161 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 161 |  |
| 165 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 165 |  |
| 170 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 170 |  |
| 175 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 175 |  |
| 180 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 180 |  |
| 185 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 185 |  |
| 188 |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                       |                                                                                         |                                                                                        | 188 |  |

# MLC250 S-2

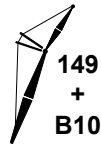
ASME B30.5



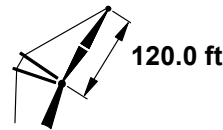
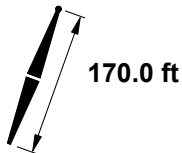
184,600 lb  
+  
44,000 lb

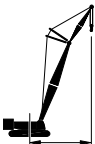
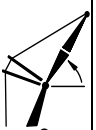
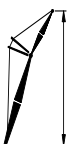
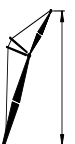
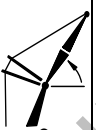
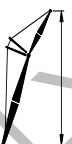
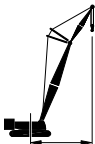


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 41  |      |       |        |      |       |        |      |       |        |      |       |        | 41  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 67.5 | 276.4 | 60,400 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 64.7 | 274.1 | 55,800 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 61.7 | 271.5 | 51,800 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 58.7 | 268.5 | 48,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 55.6 | 265.2 | 45,100 |      |       |        |      |       |        |      |       |        | 100 |
| 103 | 53.2 | 263.0 | 43,400 | 62.6 | 268.8 | 38,700 |      |       |        |      |       |        | 103 |
| 105 | 52.3 | 261.5 | 42,300 | 61.4 | 267.8 | 37,700 |      |       |        |      |       |        | 105 |
| 110 | 48.9 | 257.3 | 39,700 | 58.4 | 264.8 | 35,400 |      |       |        |      |       |        | 110 |
| 115 | 45.3 | 252.5 | 37,400 | 55.2 | 261.4 | 33,300 |      |       |        |      |       |        | 115 |
| 120 | 41.5 | 247.1 | 35,300 | 51.9 | 257.6 | 31,400 |      |       |        |      |       |        | 120 |
| 123 | 38.6 | 243.4 | 34,200 | 49.2 | 255.1 | 30,300 |      |       |        |      |       |        | 123 |
| 125 | 37.3 | 240.9 | 33,400 | 48.5 | 253.4 | 29,600 | 57.8 | 259.5 | 25,900 |      |       |        | 125 |
| 129 | 33.0 | 235.0 | 32,000 | 44.8 | 249.5 | 28,300 | 54.6 | 256.8 | 24,700 |      |       |        | 129 |
| 130 | 32.7 | 233.6 | 31,600 | 44.9 | 248.5 | 28,000 | 54.6 | 256.1 | 24,400 |      |       |        | 130 |
| 135 | 27.4 | 224.7 | 30,000 | 41.0 | 243.0 | 26,500 | 51.3 | 252.2 | 23,100 |      |       |        | 135 |
| 137 | 24.2 | 220.0 | 29,300 | 39.0 | 240.5 | 26,000 | 49.4 | 250.5 | 22,600 |      |       |        | 137 |
| 140 | 20.8 | 213.1 | 28,400 | 36.8 | 236.7 | 25,100 | 47.9 | 247.9 | 21,900 |      |       |        | 140 |
| 145 | 10.9 | 194.7 | 26,900 | 32.1 | 229.2 | 23,900 | 44.2 | 242.9 | 20,700 |      |       |        | 145 |
| 146 | 7.3  | 188.0 | 26,600 | 30.8 | 227.4 | 23,600 | 43.2 | 241.8 | 20,500 |      |       |        | 146 |
| 147 |      |       |        | 29.6 | 225.6 | 23,400 | 42.4 | 240.7 | 20,300 | 52.4 | 247.7 | 17,300 | 147 |
| 150 |      |       |        | 26.7 | 220.1 | 22,700 | 40.3 | 237.3 | 19,700 | 50.4 | 245.2 | 16,700 | 150 |
| 155 |      |       |        | 20.0 | 208.2 | 21,500 | 36.0 | 230.8 | 18,700 | 46.9 | 240.7 | 15,800 | 155 |
| 160 |      |       |        | 9.1  | 187.9 | 20,400 | 31.2 | 223.1 | 17,700 | 43.2 | 235.6 | 15,000 | 160 |
| 161 |      |       |        | 4.0  | 178.1 | 20,100 | 29.8 | 221.2 | 17,500 | 42.2 | 234.4 | 14,900 | 161 |
| 165 |      |       |        |      |       |        | 25.6 | 213.6 | 16,800 | 39.2 | 229.8 | 14,200 | 165 |
| 170 |      |       |        |      |       |        | 18.5 | 200.8 | 16,000 | 34.8 | 222.9 | 13,500 | 170 |
| 175 |      |       |        |      |       |        | 4.7  | 174.8 | 15,100 | 29.8 | 214.8 | 12,800 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 23.9 | 204.6 | 12,100 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 16.0 | 190.3 | 11,400 | 185 |
| 188 |      |       |        |      |       |        |      |       |        | 8.0  | 175.3 | 11,000 | 188 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | ft                                                                                    | ft                                                                                | lb                                                                                | ft                                                                                    | ft                                                                                | lb                                                                                | ft                                                                                      | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 44                                                                                | 75.7                                                                                  | 294.0                                                                             | 67,800 <b>c</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 44                                                                                  |
| 45                                                                                | 75.2                                                                                  | 293.7                                                                             | 67,500 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 45                                                                                  |
| 50                                                                                | 72.8                                                                                  | 292.2                                                                             | 66,700 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 54                                                                                | 70.4                                                                                  | 290.8                                                                             | 65,200 <b>b</b>                                                                   | 73.7                                                                                  | 292.4                                                                             | 78,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 54                                                                                  |
| 55                                                                                | 70.2                                                                                  | 290.5                                                                             | 64,800                                                                            | 73.2                                                                                  | 292.1                                                                             | 78,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 67.7                                                                                  | 288.5                                                                             | 62,100                                                                            | 70.7                                                                                  | 290.4                                                                             | 77,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 65.0                                                                                  | 286.2                                                                             | 61,300                                                                            | 68.1                                                                                  | 288.5                                                                             | 75,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 69                                                                                | 62.6                                                                                  | 284.2                                                                             | 59,300                                                                            | 65.6                                                                                  | 286.7                                                                             | 72,300                                                                            | 70.6                                                                                    | 289.4                                                                               | 77,100                                                                              | 69                                                                                  |
| 70                                                                                | 62.4                                                                                  | 283.7                                                                             | 58,800                                                                            | 65.5                                                                                  | 286.3                                                                             | 71,500                                                                            | 70.1                                                                                    | 289.0                                                                               | 75,800                                                                              | 70                                                                                  |
| 75                                                                                | 59.6                                                                                  | 280.9                                                                             | 56,200                                                                            | 62.9                                                                                  | 283.8                                                                             | 67,200                                                                            | 67.5                                                                                    | 287.0                                                                               | 69,300                                                                              | 75                                                                                  |
| 80                                                                                | 56.8                                                                                  | 277.7                                                                             | 52,300                                                                            | 60.1                                                                                  | 281.0                                                                             | 63,100                                                                            | 64.9                                                                                    | 284.8                                                                               | 63,700                                                                              | 80                                                                                  |
| 83                                                                                | 54.2                                                                                  | 275.6                                                                             | 50,300                                                                            | 58.2                                                                                  | 279.2                                                                             | 60,600                                                                            | 62.8                                                                                    | 283.2                                                                               | 60,800                                                                              | 83                                                                                  |
| 85                                                                                | 53.9                                                                                  | 274.1                                                                             | 48,900                                                                            | 57.3                                                                                  | 277.9                                                                             | 59,000                                                                            | 62.2                                                                                    | 282.2                                                                               | 58,900                                                                              | 85                                                                                  |
| 90                                                                                | 50.8                                                                                  | 270.2                                                                             | 45,600                                                                            | 54.4                                                                                  | 274.4                                                                             | 55,100                                                                            | 59.5                                                                                    | 279.4                                                                               | 54,700                                                                              | 90                                                                                  |
| 95                                                                                | 47.6                                                                                  | 265.8                                                                             | 42,400                                                                            | 51.4                                                                                  | 270.6                                                                             | 51,400                                                                            | 56.7                                                                                    | 276.2                                                                               | 50,900                                                                              | 95                                                                                  |
| 100                                                                               | 44.3                                                                                  | 260.9                                                                             | 39,700                                                                            | 48.2                                                                                  | 266.3                                                                             | 48,100                                                                            | 53.7                                                                                    | 272.6                                                                               | 47,600                                                                              | 100                                                                                 |
| 105                                                                               | 40.7                                                                                  | 255.3                                                                             | 37,200                                                                            | 44.9                                                                                  | 261.4                                                                             | 44,900                                                                            | 50.7                                                                                    | 268.7                                                                               | 44,600                                                                              | 105                                                                                 |
| 107                                                                               | 38.4                                                                                  | 252.7                                                                             | 36,400                                                                            | 42.8                                                                                  | 259.2                                                                             | 43,700                                                                            | 48.8                                                                                    | 266.9                                                                               | 43,600                                                                              | 107                                                                                 |
| 110                                                                               | 36.8                                                                                  | 248.9                                                                             | 35,100                                                                            | 41.4                                                                                  | 256.0                                                                             | 42,000                                                                            | 47.5                                                                                    | 264.2                                                                               | 41,900                                                                              | 110                                                                                 |
| 115                                                                               | 32.6                                                                                  | 241.5                                                                             | 33,200                                                                            | 37.6                                                                                  | 249.8                                                                             | 39,400                                                                            | 44.1                                                                                    | 259.3                                                                               | 39,500                                                                              | 115                                                                                 |
| 120                                                                               | 27.7                                                                                  | 232.7                                                                             | 31,600                                                                            | 33.4                                                                                  | 242.6                                                                             | 37,200                                                                            | 40.5                                                                                    | 253.6                                                                               | 37,300                                                                              | 120                                                                                 |
| 125                                                                               | 21.9                                                                                  | 221.6                                                                             | 30,500                                                                            | 28.7                                                                                  | 234.1                                                                             | 35,200                                                                            | 36.7                                                                                    | 247.2                                                                               | 35,300                                                                              | 125                                                                                 |
| 130                                                                               | 13.9                                                                                  | 205.5                                                                             | 29,800                                                                            | 23.1                                                                                  | 223.5                                                                             | 33,700                                                                            | 32.4                                                                                    | 239.8                                                                               | 33,400                                                                              | 130                                                                                 |
| 133                                                                               | 3.8                                                                                   | 184.7                                                                             | 29,800                                                                            | 18.2                                                                                  | 214.6                                                                             | 33,100                                                                            | 29.0                                                                                    | 234.4                                                                               | 32,300                                                                              | 133                                                                                 |
| 135                                                                               |                                                                                       |                                                                                   |                                                                                   | 15.7                                                                                  | 208.8                                                                             | 32,600                                                                            | 27.5                                                                                    | 230.9                                                                               | 31,700                                                                              | 135                                                                                 |
| 139                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                   | 182.8                                                                             | 32,100                                                                            | 22.2                                                                                    | 221.9                                                                               | 30,400                                                                              | 139                                                                                 |
| 140                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 21.6                                                                                    | 219.6                                                                               | 30,000                                                                              | 140                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.4                                                                                    | 203.1                                                                               | 28,500                                                                              | 145                                                                                 |
| 147                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.9                                                                                     | 191.8                                                                               | 27,900                                                                              | 147                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 150                                                                                 |
| 153                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 153                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 155                                                                                 |
| 156                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 156                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 171                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 171                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 198                                                                                 |

# MLC250 S-2

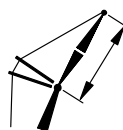
ASME B30.5



184,600 lb  
+  
44,000 lb

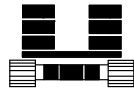


170.0 ft

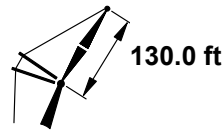
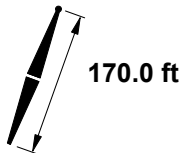


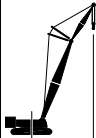
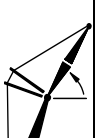
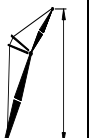
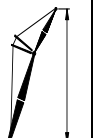
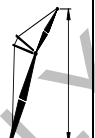
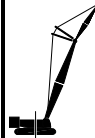
120.0 ft

|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 54  |      |       |        |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 69  |      |       |        |      |       |        |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 83  | 67.9 | 285.9 | 57,000 |      |       |        |      |       |        |      |       |        | 83  |
| 85  | 66.9 | 285.1 | 55,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 64.3 | 282.8 | 51,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 61.6 | 280.1 | 47,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 58.8 | 277.2 | 44,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 56.0 | 273.9 | 41,800 |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 53.8 | 272.5 | 40,700 | 62.9 | 278.0 | 36,100 |      |       |        |      |       |        | 107 |
| 110 | 53.0 | 270.3 | 39,200 | 61.3 | 276.4 | 34,700 |      |       |        |      |       |        | 110 |
| 115 | 49.9 | 266.2 | 36,900 | 58.5 | 273.4 | 32,700 |      |       |        |      |       |        | 115 |
| 120 | 46.7 | 261.6 | 34,800 | 55.6 | 270.1 | 30,800 |      |       |        |      |       |        | 120 |
| 125 | 43.3 | 256.5 | 32,900 | 52.7 | 266.4 | 29,000 |      |       |        |      |       |        | 125 |
| 130 | 39.6 | 250.7 | 31,200 | 49.6 | 262.3 | 27,400 | 58.0 | 268.2 | 23,800 |      |       |        | 130 |
| 133 | 36.6 | 246.8 | 30,200 | 47.2 | 259.5 | 26,600 | 55.8 | 266.2 | 23,000 |      |       |        | 133 |
| 135 | 35.7 | 244.1 | 29,500 | 46.3 | 257.7 | 26,000 | 55.1 | 264.8 | 22,500 |      |       |        | 135 |
| 139 | 31.8 | 237.9 | 28,300 | 42.8 | 253.5 | 24,900 | 52.6 | 261.8 | 21,500 |      |       |        | 139 |
| 140 | 31.3 | 236.4 | 28,000 | 42.9 | 252.5 | 24,600 | 52.1 | 261.1 | 21,300 |      |       |        | 140 |
| 145 | 26.2 | 227.0 | 26,600 | 39.2 | 246.6 | 23,400 | 49.0 | 256.8 | 20,100 |      |       |        | 145 |
| 147 | 23.2 | 222.1 | 26,100 | 37.4 | 243.9 | 22,900 | 46.8 | 255.0 | 19,700 |      |       |        | 147 |
| 150 | 19.9 | 214.9 | 25,300 | 35.2 | 239.9 | 22,200 | 45.7 | 252.1 | 19,100 |      |       |        | 150 |
| 153 | 13.6 | 203.3 | 24,500 | 32.0 | 235.2 | 21,500 | 43.2 | 249.0 | 18,500 | 52.5 | 255.7 | 15,500 | 153 |
| 155 | 10.4 | 195.6 | 24,000 | 30.7 | 232.0 | 21,100 | 42.2 | 246.8 | 18,100 | 51.3 | 254.1 | 15,200 | 155 |
| 156 | 7.0  | 188.5 | 23,700 | 29.0 | 230.1 | 20,900 | 41.2 | 245.6 | 17,900 | 50.4 | 253.2 | 15,000 | 156 |
| 160 |      |       |        | 25.5 | 222.4 | 20,000 | 38.5 | 240.8 | 17,200 | 48.1 | 249.8 | 14,400 | 160 |
| 165 |      |       |        | 19.1 | 209.8 | 19,000 | 34.4 | 233.9 | 16,300 | 44.8 | 244.9 | 13,600 | 165 |
| 170 |      |       |        | 8.7  | 188.6 | 18,000 | 29.8 | 225.7 | 15,500 | 41.2 | 239.4 | 12,800 | 170 |
| 171 |      |       |        | 3.8  | 178.4 | 17,800 | 28.0 | 223.7 | 15,300 | 40.2 | 238.2 | 12,700 | 171 |
| 175 |      |       |        |      |       |        | 24.5 | 215.7 | 14,700 | 37.4 | 233.2 | 12,100 | 175 |
| 180 |      |       |        |      |       |        | 17.7 | 202.3 | 13,900 | 33.2 | 225.9 | 11,400 | 180 |
| 185 |      |       |        |      |       |        | 4.4  | 175.1 | 13,100 | 28.5 | 217.4 | 10,700 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 22.8 | 206.6 | 10,000 | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 15.3 | 191.6 | 9,400  | 195 |
| 198 |      |       |        |      |       |        |      |       |        | 7.6  | 175.9 | 9,000  | 198 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 46                                                                                | 76.0                                                                                  | 303.8                                                                             | 62,400 <b>c</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 46                                                                                  |
| 50                                                                                | 74.1                                                                                  | 302.7                                                                             | 62,100 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 71.8                                                                                  | 301.1                                                                             | 59,600 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 57                                                                                | 70.2                                                                                  | 300.4                                                                             | 59,000 <b>b</b>                                                                   | 73.6                                                                                  | 302.0                                                                             | 72,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 69.5                                                                                  | 299.3                                                                             | 58,100                                                                            | 72.2                                                                                  | 301.0                                                                             | 71,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 67.1                                                                                  | 297.2                                                                             | 57,400                                                                            | 69.9                                                                                  | 299.3                                                                             | 70,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 64.7                                                                                  | 294.9                                                                             | 56,000                                                                            | 67.5                                                                                  | 297.2                                                                             | 68,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 72                                                                                | 63.2                                                                                  | 293.9                                                                             | 55,300                                                                            | 66.2                                                                                  | 296.3                                                                             | 66,800                                                                            | 70.8                                                                                    | 299.0                                                                               | 70,800                                                                              | 72                                                                                  |
| 75                                                                                | 62.2                                                                                  | 292.4                                                                             | 54,300                                                                            | 65.1                                                                                  | 295.0                                                                             | 64,500                                                                            | 69.4                                                                                    | 297.8                                                                               | 68,900                                                                              | 75                                                                                  |
| 80                                                                                | 59.6                                                                                  | 289.5                                                                             | 50,800                                                                            | 62.6                                                                                  | 292.5                                                                             | 60,900                                                                            | 67.0                                                                                    | 295.8                                                                               | 63,400                                                                              | 80                                                                                  |
| 85                                                                                | 57.0                                                                                  | 286.4                                                                             | 47,500                                                                            | 60.1                                                                                  | 289.7                                                                             | 57,200                                                                            | 64.5                                                                                    | 293.5                                                                               | 58,500                                                                              | 85                                                                                  |
| 87                                                                                | 55.8                                                                                  | 285.0                                                                             | 46,300                                                                            | 58.8                                                                                  | 288.4                                                                             | 55,800                                                                            | 63.2                                                                                    | 292.4                                                                               | 56,800                                                                              | 87                                                                                  |
| 90                                                                                | 54.4                                                                                  | 282.9                                                                             | 44,500                                                                            | 57.5                                                                                  | 286.6                                                                             | 53,700                                                                            | 62.1                                                                                    | 290.9                                                                               | 54,300                                                                              | 90                                                                                  |
| 95                                                                                | 51.6                                                                                  | 279.0                                                                             | 41,600                                                                            | 54.9                                                                                  | 283.2                                                                             | 50,300                                                                            | 59.5                                                                                    | 288.0                                                                               | 50,600                                                                              | 95                                                                                  |
| 100                                                                               | 48.7                                                                                  | 274.8                                                                             | 38,900                                                                            | 52.1                                                                                  | 279.4                                                                             | 47,100                                                                            | 56.9                                                                                    | 284.9                                                                               | 47,300                                                                              | 100                                                                                 |
| 105                                                                               | 45.6                                                                                  | 270.0                                                                             | 36,400                                                                            | 49.2                                                                                  | 275.2                                                                             | 44,200                                                                            | 54.2                                                                                    | 281.4                                                                               | 44,300                                                                              | 105                                                                                 |
| 110                                                                               | 42.4                                                                                  | 264.8                                                                             | 34,200                                                                            | 46.2                                                                                  | 270.6                                                                             | 41,400                                                                            | 51.4                                                                                    | 277.5                                                                               | 41,600                                                                              | 110                                                                                 |
| 112                                                                               | 40.8                                                                                  | 262.4                                                                             | 33,400                                                                            | 44.8                                                                                  | 268.5                                                                             | 40,400                                                                            | 49.8                                                                                    | 275.8                                                                               | 40,600                                                                              | 112                                                                                 |
| 115                                                                               | 39.0                                                                                  | 258.8                                                                             | 32,300                                                                            | 43.0                                                                                  | 265.4                                                                             | 38,800                                                                            | 48.5                                                                                    | 273.2                                                                               | 39,200                                                                              | 115                                                                                 |
| 120                                                                               | 35.3                                                                                  | 252.1                                                                             | 30,500                                                                            | 39.7                                                                                  | 259.6                                                                             | 36,400                                                                            | 45.5                                                                                    | 268.5                                                                               | 37,000                                                                              | 120                                                                                 |
| 125                                                                               | 31.2                                                                                  | 244.3                                                                             | 29,000                                                                            | 36.0                                                                                  | 253.0                                                                             | 34,400                                                                            | 42.3                                                                                    | 263.2                                                                               | 35,000                                                                              | 125                                                                                 |
| 130                                                                               | 26.6                                                                                  | 235.1                                                                             | 27,700                                                                            | 32.0                                                                                  | 245.5                                                                             | 32,500                                                                            | 38.9                                                                                    | 257.2                                                                               | 33,100                                                                              | 130                                                                                 |
| 135                                                                               | 21.0                                                                                  | 223.4                                                                             | 26,800                                                                            | 27.5                                                                                  | 236.5                                                                             | 31,000                                                                            | 35.1                                                                                    | 250.4                                                                               | 31,400                                                                              | 135                                                                                 |
| 136                                                                               | 19.4                                                                                  | 220.1                                                                             | 26,800                                                                            | 26.0                                                                                  | 234.3                                                                             | 30,700                                                                            | 34.2                                                                                    | 248.8                                                                               | 31,100                                                                              | 136                                                                                 |
| 140                                                                               | 13.3                                                                                  | 206.6                                                                             | 26,500                                                                            | 22.2                                                                                  | 225.4                                                                             | 29,700                                                                            | 31.0                                                                                    | 242.6                                                                               | 29,800                                                                              | 140                                                                                 |
| 143                                                                               | 3.7                                                                                   | 185.0                                                                             | 26,500                                                                            | 17.8                                                                                  | 216.2                                                                             | 29,200                                                                            | 28.0                                                                                    | 237.0                                                                               | 28,900                                                                              | 143                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   | 15.0                                                                                  | 210.0                                                                             | 28,900                                                                            | 26.4                                                                                    | 233.2                                                                               | 28,300                                                                              | 145                                                                                 |
| 149                                                                               |                                                                                       |                                                                                   |                                                                                   | 2.9                                                                                   | 183.0                                                                             | 28,400                                                                            | 21.2                                                                                    | 223.8                                                                               | 27,200                                                                              | 149                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 20.7                                                                                    | 221.4                                                                               | 26,900                                                                              | 150                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.8                                                                                    | 204.2                                                                               | 25,600                                                                              | 155                                                                                 |
| 157                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.5                                                                                     | 192.4                                                                               | 25,000                                                                              | 157                                                                                 |
| 159                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 159                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 166                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 166                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 181                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 181                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |

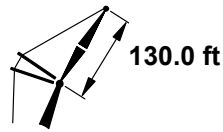
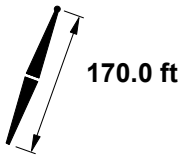


# MLC250 S-2

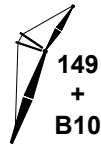
ASME B30.5



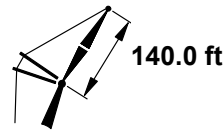
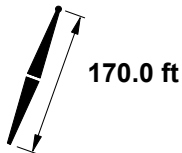
184,600 lb  
+  
44,000 lb

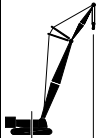
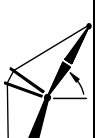
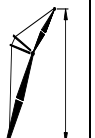
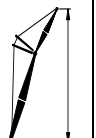
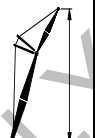
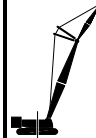


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 46  |      |       |        |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 72  |      |       |        |      |       |        |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 87  | 67.8 | 295.1 | 53,200 |      |       |        |      |       |        |      |       |        | 87  |
| 90  | 66.4 | 293.8 | 50,800 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 63.9 | 291.4 | 47,300 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 61.5 | 288.8 | 44,200 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 58.9 | 285.9 | 41,400 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 56.3 | 282.6 | 38,900 |      |       |        |      |       |        |      |       |        | 110 |
| 112 | 54.8 | 281.2 | 37,900 | 62.7 | 286.7 | 33,400 |      |       |        |      |       |        | 112 |
| 115 | 53.6 | 279.0 | 36,600 | 61.2 | 285.1 | 32,200 |      |       |        |      |       |        | 115 |
| 120 | 50.7 | 275.1 | 34,500 | 58.6 | 282.1 | 30,300 |      |       |        |      |       |        | 120 |
| 125 | 47.8 | 270.7 | 32,600 | 56.0 | 278.8 | 28,600 |      |       |        |      |       |        | 125 |
| 130 | 44.7 | 265.8 | 30,800 | 53.2 | 275.2 | 27,000 |      |       |        |      |       |        | 130 |
| 135 | 41.5 | 260.3 | 29,200 | 50.4 | 271.2 | 25,600 |      |       |        |      |       |        | 135 |
| 136 | 40.2 | 259.1 | 28,900 | 49.4 | 270.3 | 25,300 | 57.6 | 276.2 | 21,800 |      |       |        | 136 |
| 140 | 38.0 | 254.2 | 27,700 | 47.5 | 266.7 | 24,200 | 55.5 | 273.5 | 20,800 |      |       |        | 140 |
| 143 | 35.2 | 250.0 | 26,900 | 45.2 | 263.8 | 23,500 | 53.2 | 271.3 | 20,200 |      |       |        | 143 |
| 145 | 34.2 | 247.2 | 26,300 | 44.4 | 261.8 | 23,000 | 52.7 | 269.8 | 19,700 |      |       |        | 145 |
| 149 | 30.0 | 240.7 | 25,300 | 41.6 | 257.4 | 22,000 | 49.6 | 266.6 | 18,900 |      |       |        | 149 |
| 150 | 30.0 | 239.0 | 25,000 | 41.1 | 256.3 | 21,800 | 49.9 | 265.8 | 18,700 |      |       |        | 150 |
| 155 | 25.1 | 229.2 | 23,800 | 37.6 | 250.1 | 20,700 | 46.9 | 261.2 | 17,700 |      |       |        | 155 |
| 157 | 22.6 | 224.1 | 23,300 | 35.4 | 247.2 | 20,300 | 44.8 | 259.2 | 17,300 |      |       |        | 157 |
| 159 | 20.2 | 219.1 | 22,900 | 33.8 | 244.4 | 19,900 | 43.6 | 257.2 | 17,000 | 52.5 | 263.7 | 13,900 | 159 |
| 160 | 19.1 | 216.5 | 22,600 | 33.7 | 242.9 | 19,700 | 43.8 | 256.2 | 16,800 | 52.0 | 262.9 | 13,800 | 160 |
| 165 | 10.0 | 196.4 | 21,500 | 29.5 | 234.6 | 18,700 | 40.5 | 250.6 | 15,900 | 49.1 | 258.7 | 13,000 | 165 |
| 166 | 6.7  | 189.1 | 21,200 | 28.0 | 232.6 | 18,500 | 39.2 | 249.3 | 15,800 | 48.4 | 257.8 | 12,800 | 166 |
| 170 |      |       |        | 24.5 | 224.6 | 17,800 | 36.9 | 244.2 | 15,100 | 46.1 | 254.0 | 12,200 | 170 |
| 175 |      |       |        | 18.3 | 211.4 | 16,900 | 33.0 | 236.9 | 14,400 | 42.9 | 248.8 | 11,500 | 175 |
| 180 |      |       |        | 8.3  | 189.3 | 16,100 | 28.6 | 228.3 | 13,600 | 39.5 | 243.0 | 10,800 | 180 |
| 181 |      |       |        | 3.6  | 178.6 | 15,800 | 27.0 | 226.2 | 13,500 | 38.2 | 241.7 | 10,700 | 181 |
| 185 |      |       |        |      |       |        | 23.5 | 217.8 | 12,900 | 35.9 | 236.4 | 10,100 | 185 |
| 190 |      |       |        |      |       |        | 16.9 | 203.8 | 12,200 | 31.8 | 228.8 | 9,500  | 190 |
| 195 |      |       |        |      |       |        | 4.2  | 175.4 | 11,500 | 27.3 | 219.8 | 8,900  | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 21.9 | 208.6 | 8,300  | 200 |
| 208 |      |       |        |      |       |        |      |       |        | 7.3  | 176.5 | 7,400  | 208 |



184,600 lb  
+  
44,000 lb



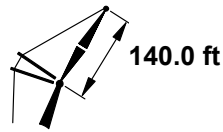
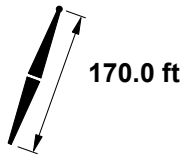
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 49                                                                                | 75.7                                                                                  | 313.4                                                                             | 57,600 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 49                                                                                  |
| 50                                                                                | 75.3                                                                                  | 313.1                                                                             | 57,500 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 73.2                                                                                  | 311.6                                                                             | 55,500 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 59                                                                                | 70.6                                                                                  | 310.3                                                                             | 54,500 <b>b</b>                                                                   | 74.0                                                                                  | 311.8                                                                             | 66,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 59                                                                                  |
| 60                                                                                | 71.0                                                                                  | 310.0                                                                             | 54,200                                                                            | 73.5                                                                                  | 311.5                                                                             | 66,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 68.8                                                                                  | 308.1                                                                             | 52,900                                                                            | 71.4                                                                                  | 309.9                                                                             | 65,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 66.6                                                                                  | 306.0                                                                             | 52,400                                                                            | 69.2                                                                                  | 308.0                                                                             | 64,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 64.3                                                                                  | 303.6                                                                             | 51,200                                                                            | 67.0                                                                                  | 306.0                                                                             | 61,600                                                                            | 70.9                                                                                    | 308.5                                                                               | 64,800                                                                              | 75                                                                                  |
| 80                                                                                | 62.0                                                                                  | 301.0                                                                             | 49,000                                                                            | 64.8                                                                                  | 303.7                                                                             | 58,400                                                                            | 68.7                                                                                    | 306.6                                                                               | 62,800                                                                              | 80                                                                                  |
| 85                                                                                | 59.7                                                                                  | 298.2                                                                             | 46,000                                                                            | 62.5                                                                                  | 301.1                                                                             | 55,200                                                                            | 66.5                                                                                    | 304.5                                                                               | 58,000                                                                              | 85                                                                                  |
| 90                                                                                | 57.3                                                                                  | 295.1                                                                             | 43,100                                                                            | 60.1                                                                                  | 298.3                                                                             | 52,000                                                                            | 64.2                                                                                    | 302.2                                                                               | 53,800                                                                              | 90                                                                                  |
| 91                                                                                | 56.4                                                                                  | 294.4                                                                             | 42,600                                                                            | 59.4                                                                                  | 297.7                                                                             | 51,400                                                                            | 63.4                                                                                    | 301.6                                                                               | 53,100                                                                              | 91                                                                                  |
| 95                                                                                | 54.8                                                                                  | 291.6                                                                             | 40,500                                                                            | 57.7                                                                                  | 295.3                                                                             | 48,900                                                                            | 61.9                                                                                    | 299.6                                                                               | 50,100                                                                              | 95                                                                                  |
| 100                                                                               | 52.2                                                                                  | 287.8                                                                             | 38,000                                                                            | 55.2                                                                                  | 291.9                                                                             | 46,000                                                                            | 59.6                                                                                    | 296.7                                                                               | 46,800                                                                              | 100                                                                                 |
| 105                                                                               | 49.6                                                                                  | 283.7                                                                             | 35,700                                                                            | 52.7                                                                                  | 288.2                                                                             | 43,200                                                                            | 57.1                                                                                    | 293.5                                                                               | 43,800                                                                              | 105                                                                                 |
| 110                                                                               | 46.8                                                                                  | 279.1                                                                             | 33,500                                                                            | 50.0                                                                                  | 284.1                                                                             | 40,500                                                                            | 54.7                                                                                    | 290.1                                                                               | 41,100                                                                              | 110                                                                                 |
| 115                                                                               | 43.9                                                                                  | 274.1                                                                             | 31,500                                                                            | 47.3                                                                                  | 279.6                                                                             | 38,200                                                                            | 52.1                                                                                    | 286.3                                                                               | 38,700                                                                              | 115                                                                                 |
| 116                                                                               | 42.4                                                                                  | 273.0                                                                             | 31,100                                                                            | 46.4                                                                                  | 278.6                                                                             | 37,700                                                                            | 51.4                                                                                    | 285.5                                                                               | 38,300                                                                              | 116                                                                                 |
| 120                                                                               | 40.8                                                                                  | 268.5                                                                             | 29,700                                                                            | 44.4                                                                                  | 274.7                                                                             | 35,900                                                                            | 49.4                                                                                    | 282.1                                                                               | 36,500                                                                              | 120                                                                                 |
| 125                                                                               | 37.5                                                                                  | 262.3                                                                             | 28,100                                                                            | 41.4                                                                                  | 269.2                                                                             | 33,700                                                                            | 46.7                                                                                    | 277.6                                                                               | 34,500                                                                              | 125                                                                                 |
| 130                                                                               | 34.0                                                                                  | 255.2                                                                             | 26,700                                                                            | 38.2                                                                                  | 263.1                                                                             | 31,800                                                                            | 43.7                                                                                    | 272.5                                                                               | 32,600                                                                              | 130                                                                                 |
| 135                                                                               | 30.1                                                                                  | 247.0                                                                             | 25,500                                                                            | 34.7                                                                                  | 256.2                                                                             | 30,100                                                                            | 40.7                                                                                    | 266.9                                                                               | 30,900                                                                              | 135                                                                                 |
| 140                                                                               | 25.6                                                                                  | 237.3                                                                             | 24,500                                                                            | 30.8                                                                                  | 248.2                                                                             | 28,700                                                                            | 37.4                                                                                    | 260.6                                                                               | 29,400                                                                              | 140                                                                                 |
| 141                                                                               | 24.0                                                                                  | 234.9                                                                             | 24,400                                                                            | 29.2                                                                                  | 246.3                                                                             | 28,400                                                                            | 36.2                                                                                    | 259.2                                                                               | 29,100                                                                              | 141                                                                                 |
| 145                                                                               | 20.2                                                                                  | 225.2                                                                             | 23,700                                                                            | 26.5                                                                                  | 238.9                                                                             | 27,300                                                                            | 33.8                                                                                    | 253.5                                                                               | 27,900                                                                              | 145                                                                                 |
| 150                                                                               | 12.8                                                                                  | 207.7                                                                             | 23,500                                                                            | 21.3                                                                                  | 227.3                                                                             | 26,300                                                                            | 29.9                                                                                    | 245.2                                                                               | 26,500                                                                              | 150                                                                                 |
| 153                                                                               | 3.5                                                                                   | 185.2                                                                             | 23,500                                                                            | 16.8                                                                                  | 217.7                                                                             | 26,000                                                                            | 26.6                                                                                    | 239.4                                                                               | 25,700                                                                              | 153                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   | 14.4                                                                                  | 211.3                                                                             | 25,700                                                                            | 25.4                                                                                    | 235.5                                                                               | 25,200                                                                              | 155                                                                                 |
| 159                                                                               |                                                                                       |                                                                                   |                                                                                   | 2.8                                                                                   | 183.1                                                                             | 25,100                                                                            | 20.2                                                                                    | 225.6                                                                               | 24,300                                                                              | 159                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 19.9                                                                                    | 223.2                                                                               | 24,000                                                                              | 160                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 12.3                                                                                    | 205.3                                                                               | 22,800                                                                              | 165                                                                                 |
| 167                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 7.2                                                                                     | 193.0                                                                               | 22,400                                                                              | 167                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 176                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 176                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 191                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 191                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 218                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 218                                                                                 |

# MLC250 S-2

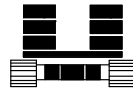
ASME B30.5



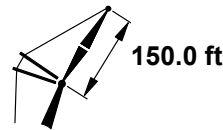
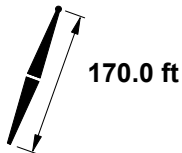
184,600 lb  
+  
44,000 lb

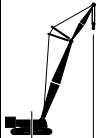
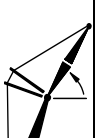
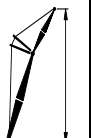
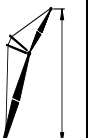
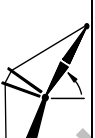


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 59  |      |       |        |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 91  | 67.7 | 304.3 | 49,500 |      |       |        |      |       |        |      |       |        | 91  |
| 95  | 65.9 | 302.5 | 46,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 63.7 | 300.1 | 43,600 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 61.4 | 297.4 | 40,800 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 59.0 | 294.5 | 38,300 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 56.5 | 291.3 | 36,000 |      |       |        |      |       |        |      |       |        | 115 |
| 116 | 55.6 | 290.6 | 35,600 | 63.0 | 295.9 | 31,200 |      |       |        |      |       |        | 116 |
| 120 | 54.0 | 287.8 | 34,000 | 61.1 | 293.7 | 29,700 |      |       |        |      |       |        | 120 |
| 125 | 51.5 | 283.9 | 32,100 | 58.7 | 290.8 | 28,000 |      |       |        |      |       |        | 125 |
| 130 | 48.8 | 279.6 | 30,300 | 56.3 | 287.5 | 26,500 |      |       |        |      |       |        | 130 |
| 135 | 46.0 | 274.9 | 28,700 | 53.8 | 283.9 | 25,000 |      |       |        |      |       |        | 135 |
| 140 | 43.0 | 269.8 | 27,200 | 51.2 | 280.0 | 23,700 |      |       |        |      |       |        | 140 |
| 141 | 42.2 | 268.6 | 26,900 | 50.4 | 279.2 | 23,400 | 57.8 | 284.9 | 20,000 |      |       |        | 141 |
| 145 | 39.9 | 264.0 | 25,800 | 48.5 | 275.7 | 22,400 | 55.8 | 282.2 | 19,100 |      |       |        | 145 |
| 150 | 36.5 | 257.5 | 24,500 | 45.6 | 271.0 | 21,300 | 53.3 | 278.6 | 18,100 |      |       |        | 150 |
| 153 | 33.6 | 253.1 | 23,800 | 43.2 | 267.8 | 20,600 | 51.2 | 276.2 | 17,500 |      |       |        | 153 |
| 155 | 32.9 | 250.1 | 23,300 | 42.7 | 265.7 | 20,200 | 50.7 | 274.6 | 17,100 |      |       |        | 155 |
| 159 | 28.8 | 243.3 | 22,400 | 39.6 | 261.1 | 19,400 | 47.6 | 271.1 | 16,400 |      |       |        | 159 |
| 160 | 28.8 | 241.6 | 22,200 | 39.5 | 259.9 | 19,200 | 47.9 | 270.2 | 16,200 |      |       |        | 160 |
| 165 | 24.2 | 231.3 | 21,100 | 36.1 | 253.3 | 18,200 | 45.1 | 265.4 | 15,300 | 52.6 | 271.7 | 12,000 | 165 |
| 167 | 21.6 | 226.1 | 20,700 | 34.4 | 250.3 | 17,900 | 43.8 | 263.3 | 15,000 | 50.8 | 270.1 | 11,700 | 167 |
| 170 | 18.4 | 218.1 | 20,100 | 32.5 | 245.9 | 17,300 | 42.1 | 260.1 | 14,500 | 49.9 | 267.6 | 11,300 | 170 |
| 175 | 9.6  | 197.2 | 19,100 | 28.4 | 237.1 | 16,500 | 38.9 | 254.1 | 13,800 | 47.2 | 263.1 | 10,600 | 175 |
| 176 | 6.4  | 189.6 | 18,900 | 27.0 | 235.0 | 16,300 | 37.4 | 252.8 | 13,700 | 46.4 | 262.1 | 10,400 | 176 |
| 180 |      |       |        | 23.6 | 226.6 | 15,700 | 35.5 | 247.4 | 13,100 | 44.3 | 258.1 | 9,900  | 180 |
| 185 |      |       |        | 17.6 | 212.9 | 14,900 | 31.7 | 239.7 | 12,400 | 41.3 | 252.6 | 9,300  | 185 |
| 190 |      |       |        | 8.0  | 189.9 | 14,100 | 27.5 | 230.7 | 11,800 | 38.0 | 246.5 | 8,700  | 190 |
| 191 |      |       |        | 3.4  | 178.9 | 13,900 | 26.0 | 228.5 | 11,600 | 37.2 | 245.1 | 8,600  | 191 |
| 195 |      |       |        |      |       |        | 22.6 | 219.8 | 11,100 | 34.5 | 239.5 | 8,100  | 195 |
| 200 |      |       |        |      |       |        | 16.3 | 205.2 | 10,500 | 30.6 | 231.5 | 7,500  | 200 |
| 205 |      |       |        |      |       |        | 4.1  | 175.8 | 9,700  | 26.3 | 222.1 | 7,000  | 205 |
| 210 |      |       |        |      |       |        |      |       |        | 21.1 | 210.4 | 6,500  | 210 |
| 218 |      |       |        |      |       |        |      |       |        | 7.0  | 177.1 | 5,600  | 218 |



184,600 lb  
+  
44,000 lb



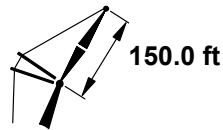
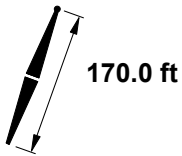
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 51                                                                                   | 75.9                                                                                  | 323.2                                                                                | 53,000 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 51                                                                                     |
| 55                                                                                   | 74.3                                                                                  | 322.1                                                                                | 52,400 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 72.3                                                                                  | 320.5                                                                                | 51,300                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 62                                                                                   | 71.2                                                                                  | 319.8                                                                                | 50,500                                                                               | 73.9                                                                                  | 321.4                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 62                                                                                     |
| 65                                                                                   | 70.3                                                                                  | 318.8                                                                                | 49,400                                                                               | 72.7                                                                                  | 320.4                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 68.2                                                                                  | 316.8                                                                                | 49,000                                                                               | 70.7                                                                                  | 318.7                                                                                | 59,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 66.2                                                                                  | 314.7                                                                                | 47,900                                                                               | 68.6                                                                                  | 316.8                                                                                | 58,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 78                                                                                   | 64.8                                                                                  | 313.3                                                                                | 47,300                                                                               | 66.8                                                                                  | 315.5                                                                                | 57,200                                                                               | 71.0                                                                                    | 318.1                                                                                  | 59,000                                                                                 | 78                                                                                     |
| 80                                                                                   | 64.0                                                                                  | 312.3                                                                                | 46,800                                                                               | 66.5                                                                                  | 314.7                                                                                | 56,100                                                                               | 70.2                                                                                    | 317.3                                                                                  | 59,000                                                                                 | 80                                                                                     |
| 85                                                                                   | 61.9                                                                                  | 309.7                                                                                | 44,900                                                                               | 64.4                                                                                  | 312.4                                                                                | 53,400                                                                               | 68.1                                                                                    | 315.4                                                                                  | 57,800                                                                                 | 85                                                                                     |
| 90                                                                                   | 59.7                                                                                  | 306.8                                                                                | 42,300                                                                               | 62.3                                                                                  | 309.8                                                                                | 50,600                                                                               | 66.1                                                                                    | 313.2                                                                                  | 53,600                                                                                 | 90                                                                                     |
| 95                                                                                   | 57.4                                                                                  | 303.7                                                                                | 39,700                                                                               | 60.1                                                                                  | 307.0                                                                                | 47,900                                                                               | 63.9                                                                                    | 310.8                                                                                  | 49,900                                                                                 | 95                                                                                     |
| 100                                                                                  | 55.1                                                                                  | 300.3                                                                                | 37,400                                                                               | 57.9                                                                                  | 303.9                                                                                | 45,200                                                                               | 61.8                                                                                    | 308.2                                                                                  | 46,600                                                                                 | 100                                                                                    |
| 105                                                                                  | 52.8                                                                                  | 296.6                                                                                | 35,200                                                                               | 55.6                                                                                  | 300.6                                                                                | 42,600                                                                               | 59.6                                                                                    | 305.4                                                                                  | 43,600                                                                                 | 105                                                                                    |
| 110                                                                                  | 50.3                                                                                  | 292.6                                                                                | 33,100                                                                               | 53.2                                                                                  | 296.9                                                                                | 40,100                                                                               | 57.3                                                                                    | 302.2                                                                                  | 41,000                                                                                 | 110                                                                                    |
| 115                                                                                  | 47.8                                                                                  | 288.2                                                                                | 31,300                                                                               | 50.8                                                                                  | 293.0                                                                                | 37,800                                                                               | 55.0                                                                                    | 298.8                                                                                  | 38,500                                                                                 | 115                                                                                    |
| 120                                                                                  | 45.1                                                                                  | 283.3                                                                                | 29,400                                                                               | 48.2                                                                                  | 288.6                                                                                | 35,600                                                                               | 52.6                                                                                    | 295.1                                                                                  | 36,300                                                                                 | 120                                                                                    |
| 121                                                                                  | 44.4                                                                                  | 282.3                                                                                | 29,100                                                                               | 47.4                                                                                  | 287.7                                                                                | 35,200                                                                               | 51.6                                                                                    | 294.3                                                                                  | 35,900                                                                                 | 121                                                                                    |
| 125                                                                                  | 42.3                                                                                  | 278.0                                                                                | 27,800                                                                               | 45.6                                                                                  | 283.9                                                                                | 33,700                                                                               | 50.2                                                                                    | 291.0                                                                                  | 34,300                                                                                 | 125                                                                                    |
| 130                                                                                  | 39.4                                                                                  | 272.1                                                                                | 26,300                                                                               | 42.8                                                                                  | 278.6                                                                                | 31,800                                                                               | 47.6                                                                                    | 286.6                                                                                  | 32,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 36.2                                                                                  | 265.5                                                                                | 25,000                                                                               | 39.9                                                                                  | 272.9                                                                                | 29,900                                                                               | 45.0                                                                                    | 281.7                                                                                  | 30,800                                                                                 | 135                                                                                    |
| 140                                                                                  | 32.8                                                                                  | 258.1                                                                                | 23,800                                                                               | 36.8                                                                                  | 266.4                                                                                | 28,400                                                                               | 42.2                                                                                    | 276.4                                                                                  | 29,200                                                                                 | 140                                                                                    |
| 145                                                                                  | 29.0                                                                                  | 249.6                                                                                | 22,800                                                                               | 33.4                                                                                  | 259.2                                                                                | 26,900                                                                               | 39.2                                                                                    | 270.5                                                                                  | 27,800                                                                                 | 145                                                                                    |
| 146                                                                                  | 28.0                                                                                  | 247.6                                                                                | 22,700                                                                               | 32.2                                                                                  | 257.5                                                                                | 26,700                                                                               | 38.4                                                                                    | 269.1                                                                                  | 27,500                                                                                 | 146                                                                                    |
| 150                                                                                  | 24.7                                                                                  | 239.5                                                                                | 22,000                                                                               | 29.7                                                                                  | 250.9                                                                                | 25,700                                                                               | 36.0                                                                                    | 263.9                                                                                  | 26,400                                                                                 | 150                                                                                    |
| 155                                                                                  | 19.5                                                                                  | 226.9                                                                                | 21,400                                                                               | 25.5                                                                                  | 241.1                                                                                | 24,600                                                                               | 32.6                                                                                    | 256.4                                                                                  | 25,100                                                                                 | 155                                                                                    |
| 160                                                                                  | 12.3                                                                                  | 208.8                                                                                | 21,100                                                                               | 20.6                                                                                  | 229.1                                                                                | 23,800                                                                               | 28.8                                                                                    | 247.8                                                                                  | 23,900                                                                                 | 160                                                                                    |
| 163                                                                                  | 3.4                                                                                   | 185.5                                                                                | 21,100                                                                               | 15.8                                                                                  | 219.1                                                                                | 23,500                                                                               | 25.6                                                                                    | 241.7                                                                                  | 23,300                                                                                 | 163                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      | 13.9                                                                                  | 212.5                                                                                | 23,300                                                                               | 24.5                                                                                    | 237.6                                                                                  | 22,800                                                                                 | 165                                                                                    |
| 169                                                                                  |                                                                                       |                                                                                      |                                                                                      | 2.7                                                                                   | 183.3                                                                                | 22,500                                                                               | 20.0                                                                                    | 227.4                                                                                  | 22,000                                                                                 | 169                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 19.2                                                                                    | 224.9                                                                                  | 21,700                                                                                 | 170                                                                                    |
| 171                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 17.4                                                                                    | 221.1                                                                                  | 21,500                                                                                 | 171                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 11.9                                                                                    | 206.3                                                                                  | 20,700                                                                                 | 175                                                                                    |
| 177                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 7.0                                                                                     | 193.6                                                                                  | 20,300                                                                                 | 177                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 186                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 186                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 201                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 201                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |

# MLC250 S-2

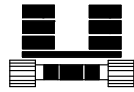
ASME B30.5



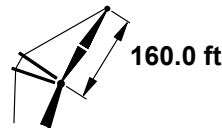
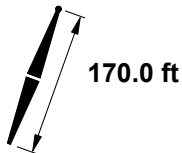
184,600 lb  
+  
44,000 lb

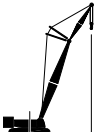
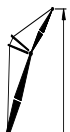
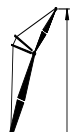


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 51  |      |       |        |      |       |        |      |       |        |      |       |        | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 62  |      |       |        |      |       |        |      |       |        |      |       |        | 62  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  |      |       |        |      |       |        |      |       |        |      |       |        | 78  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 67.6 | 313.4 | 46,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 65.6 | 311.2 | 43,400 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 63.4 | 308.8 | 40,600 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 61.3 | 306.1 | 38,100 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 59.0 | 303.2 | 35,800 |      |       |        |      |       |        |      |       |        | 115 |
| 120 | 56.8 | 300.0 | 33,800 |      |       |        |      |       |        |      |       |        | 120 |
| 121 | 55.6 | 299.3 | 33,400 | 62.8 | 304.6 | 29,200 |      |       |        |      |       |        | 121 |
| 125 | 54.5 | 296.5 | 31,900 | 61.0 | 302.4 | 27,800 |      |       |        |      |       |        | 125 |
| 130 | 52.1 | 292.7 | 30,100 | 58.8 | 299.4 | 26,300 |      |       |        |      |       |        | 130 |
| 135 | 49.6 | 288.6 | 28,500 | 56.5 | 296.2 | 24,800 |      |       |        |      |       |        | 135 |
| 140 | 47.0 | 284.0 | 27,100 | 54.2 | 292.7 | 23,500 |      |       |        |      |       |        | 140 |
| 145 | 44.3 | 279.0 | 25,700 | 51.8 | 288.9 | 22,200 |      |       |        |      |       |        | 145 |
| 146 | 43.4 | 277.9 | 25,400 | 50.6 | 288.0 | 22,000 | 57.9 | 293.6 | 18,700 |      |       |        | 146 |
| 150 | 41.5 | 273.6 | 24,400 | 49.3 | 284.7 | 21,100 | 56.1 | 290.9 | 17,900 |      |       |        | 150 |
| 155 | 38.5 | 267.5 | 23,200 | 46.7 | 280.1 | 20,000 | 53.8 | 287.4 | 16,900 |      |       |        | 155 |
| 160 | 35.2 | 260.7 | 22,100 | 44.0 | 275.1 | 19,000 | 51.3 | 283.5 | 16,000 |      |       |        | 160 |
| 163 | 32.6 | 256.1 | 21,500 | 41.8 | 271.7 | 18,500 | 49.2 | 280.9 | 15,500 |      |       |        | 163 |
| 165 | 31.7 | 253.0 | 21,000 | 41.1 | 269.5 | 18,100 | 48.8 | 279.2 | 15,200 |      |       |        | 165 |
| 169 | 27.8 | 245.9 | 20,200 | 38.6 | 264.6 | 17,400 | 46.4 | 275.5 | 14,500 |      |       |        | 169 |
| 170 | 27.8 | 244.1 | 20,000 | 38.1 | 263.4 | 17,200 | 46.2 | 274.5 | 14,400 |      |       |        | 170 |
| 171 | 26.2 | 241.9 | 19,800 | 37.2 | 262.0 | 17,000 | 45.4 | 273.5 | 14,200 | 52.6 | 279.7 | 10,800 | 171 |
| 175 | 23.3 | 233.4 | 19,100 | 34.9 | 256.5 | 16,300 | 43.5 | 269.4 | 13,600 | 50.7 | 276.5 | 10,300 | 175 |
| 177 | 20.6 | 227.9 | 18,700 | 32.8 | 253.3 | 16,000 | 41.8 | 267.2 | 13,300 | 49.2 | 274.7 | 10,000 | 177 |
| 180 | 17.7 | 219.7 | 18,200 | 31.3 | 248.7 | 15,600 | 40.6 | 263.8 | 12,900 | 48.1 | 272.1 | 9,600  | 180 |
| 185 | 9.2  | 198.0 | 17,300 | 27.4 | 239.6 | 14,800 | 37.5 | 257.5 | 12,200 | 45.5 | 267.3 | 9,000  | 185 |
| 186 | 6.2  | 190.1 | 17,100 | 26.0 | 237.4 | 14,700 | 36.4 | 256.1 | 12,100 | 44.4 | 266.3 | 8,900  | 186 |
| 190 |      |       |        | 22.8 | 228.6 | 14,100 | 34.2 | 250.5 | 11,600 | 42.7 | 262.1 | 8,400  | 190 |
| 195 |      |       |        | 17.0 | 214.4 | 13,400 | 30.6 | 242.5 | 10,900 | 39.8 | 256.3 | 7,800  | 195 |
| 200 |      |       |        | 7.7  | 190.6 | 12,700 | 26.6 | 233.1 | 10,300 | 36.7 | 249.8 | 7,300  | 200 |
| 201 |      |       |        | 3.3  | 179.1 | 12,500 | 24.9 | 230.4 | 10,100 | 35.3 | 248.2 | 7,200  | 201 |
| 210 |      |       |        |      |       |        | 15.7 | 206.6 | 9,100  | 29.6 | 234.2 | 6,300  | 210 |
| 215 |      |       |        |      |       |        | 3.9  | 176.0 | 8,400  | 25.3 | 224.3 | 5,800  | 215 |
| 220 |      |       |        |      |       |        |      |       |        | 20.3 | 212.2 | 5,300  | 220 |



184,600 lb  
+  
44,000 lb



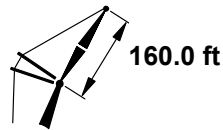
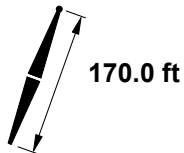
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 54                                                                                | 75.7                                                                                  | 332.7                                                                             | 48,600 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 54                                                                                  |
| 55                                                                                | 75.3                                                                                  | 332.4                                                                             | 48,500 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 73.5                                                                                  | 331.0                                                                             | 47,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 71.6                                                                                  | 329.4                                                                             | 46,700                                                                            | 73.8                                                                                  | 330.9                                                                             | 55,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 69.7                                                                                  | 327.6                                                                             | 45,700                                                                            | 71.9                                                                                  | 329.3                                                                             | 55,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 67.7                                                                                  | 325.6                                                                             | 44,800                                                                            | 70.0                                                                                  | 327.5                                                                             | 54,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 65.8                                                                                  | 323.4                                                                             | 43,800                                                                            | 68.1                                                                                  | 325.6                                                                             | 53,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 82                                                                                | 64.2                                                                                  | 322.4                                                                             | 43,500                                                                            | 67.2                                                                                  | 324.7                                                                             | 52,400                                                                            | 70.7                                                                                    | 327.2                                                                               | 54,400                                                                              | 82                                                                                  |
| 85                                                                                | 63.8                                                                                  | 321.0                                                                             | 42,900                                                                            | 66.1                                                                                  | 323.4                                                                             | 51,000                                                                            | 69.6                                                                                    | 326.1                                                                               | 54,400                                                                              | 85                                                                                  |
| 90                                                                                | 61.8                                                                                  | 318.4                                                                             | 40,800                                                                            | 64.2                                                                                  | 321.1                                                                             | 48,600                                                                            | 67.7                                                                                    | 324.1                                                                               | 53,100                                                                              | 90                                                                                  |
| 95                                                                                | 59.7                                                                                  | 315.5                                                                             | 38,500                                                                            | 62.2                                                                                  | 318.5                                                                             | 46,200                                                                            | 65.7                                                                                    | 321.9                                                                               | 49,400                                                                              | 95                                                                                  |
| 98                                                                                | 57.8                                                                                  | 313.6                                                                             | 37,200                                                                            | 60.8                                                                                  | 316.8                                                                             | 44,700                                                                            | 63.8                                                                                    | 320.5                                                                               | 47,400                                                                              | 98                                                                                  |
| 100                                                                               | 57.6                                                                                  | 312.4                                                                             | 36,300                                                                            | 60.1                                                                                  | 315.7                                                                             | 43,800                                                                            | 63.7                                                                                    | 319.5                                                                               | 46,100                                                                              | 100                                                                                 |
| 105                                                                               | 55.4                                                                                  | 309.0                                                                             | 34,200                                                                            | 58.0                                                                                  | 312.6                                                                             | 41,400                                                                            | 61.7                                                                                    | 316.9                                                                               | 43,100                                                                              | 105                                                                                 |
| 110                                                                               | 53.2                                                                                  | 305.4                                                                             | 32,300                                                                            | 55.9                                                                                  | 309.3                                                                             | 39,100                                                                            | 59.6                                                                                    | 314.0                                                                               | 40,500                                                                              | 110                                                                                 |
| 115                                                                               | 50.9                                                                                  | 301.4                                                                             | 30,500                                                                            | 53.6                                                                                  | 305.7                                                                             | 36,900                                                                            | 57.5                                                                                    | 310.9                                                                               | 38,100                                                                              | 115                                                                                 |
| 120                                                                               | 48.6                                                                                  | 297.1                                                                             | 28,800                                                                            | 51.4                                                                                  | 301.8                                                                             | 34,900                                                                            | 55.3                                                                                    | 307.5                                                                               | 35,900                                                                              | 120                                                                                 |
| 125                                                                               | 46.1                                                                                  | 292.5                                                                             | 27,100                                                                            | 49.0                                                                                  | 297.6                                                                             | 33,000                                                                            | 53.1                                                                                    | 303.9                                                                               | 33,900                                                                              | 125                                                                                 |
| 130                                                                               | 43.6                                                                                  | 287.3                                                                             | 25,700                                                                            | 46.6                                                                                  | 293.0                                                                             | 31,100                                                                            | 50.8                                                                                    | 299.9                                                                               | 32,000                                                                              | 130                                                                                 |
| 135                                                                               | 40.9                                                                                  | 281.7                                                                             | 24,400                                                                            | 44.1                                                                                  | 287.9                                                                             | 29,600                                                                            | 48.5                                                                                    | 295.6                                                                               | 30,300                                                                              | 135                                                                                 |
| 140                                                                               | 38.0                                                                                  | 275.6                                                                             | 23,200                                                                            | 41.4                                                                                  | 282.4                                                                             | 27,900                                                                            | 46.0                                                                                    | 290.9                                                                               | 28,800                                                                              | 140                                                                                 |
| 145                                                                               | 35.0                                                                                  | 268.7                                                                             | 22,000                                                                            | 38.6                                                                                  | 276.4                                                                             | 26,400                                                                            | 43.5                                                                                    | 285.7                                                                               | 27,300                                                                              | 145                                                                                 |
| 150                                                                               | 31.7                                                                                  | 261.0                                                                             | 21,100                                                                            | 35.6                                                                                  | 269.6                                                                             | 25,100                                                                            | 40.8                                                                                    | 280.1                                                                               | 26,000                                                                              | 150                                                                                 |
| 152                                                                               | 29.8                                                                                  | 257.4                                                                             | 20,800                                                                            | 33.8                                                                                  | 266.6                                                                             | 24,600                                                                            | 38.8                                                                                    | 277.6                                                                               | 25,500                                                                              | 152                                                                                 |
| 155                                                                               | 28.1                                                                                  | 252.1                                                                             | 20,300                                                                            | 32.3                                                                                  | 262.1                                                                             | 23,900                                                                            | 37.9                                                                                    | 273.9                                                                               | 24,700                                                                              | 155                                                                                 |
| 160                                                                               | 23.9                                                                                  | 241.6                                                                             | 19,600                                                                            | 28.8                                                                                  | 253.4                                                                             | 22,900                                                                            | 34.9                                                                                    | 267.0                                                                               | 23,500                                                                              | 160                                                                                 |
| 165                                                                               | 18.9                                                                                  | 228.5                                                                             | 19,200                                                                            | 24.7                                                                                  | 243.3                                                                             | 22,000                                                                            | 31.5                                                                                    | 259.2                                                                               | 22,400                                                                              | 165                                                                                 |
| 170                                                                               | 11.9                                                                                  | 209.8                                                                             | 19,100                                                                            | 19.9                                                                                  | 230.8                                                                             | 21,300                                                                            | 27.9                                                                                    | 250.3                                                                               | 21,400                                                                              | 170                                                                                 |
| 173                                                                               | 3.2                                                                                   | 185.7                                                                             | 19,100                                                                            | 15.4                                                                                  | 220.5                                                                             | 21,100                                                                            | 24.6                                                                                    | 243.9                                                                               | 20,800                                                                              | 173                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   | 13.5                                                                                  | 213.6                                                                             | 20,900                                                                            | 23.7                                                                                    | 239.7                                                                               | 20,400                                                                              | 175                                                                                 |
| 177                                                                               |                                                                                       |                                                                                   |                                                                                   | 7.5                                                                                   | 198.6                                                                             | 20,400                                                                            | 21.0                                                                                    | 234.4                                                                               | 20,000                                                                              | 177                                                                                 |
| 179                                                                               |                                                                                       |                                                                                   |                                                                                   | 2.6                                                                                   | 183.5                                                                             | 19,800                                                                            | 19.0                                                                                    | 229.1                                                                               | 19,600                                                                              | 179                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 18.6                                                                                    | 226.5                                                                               | 19,400                                                                              | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.5                                                                                    | 207.3                                                                               | 18,500                                                                              | 185                                                                                 |
| 187                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.7                                                                                     | 194.1                                                                               | 18,100                                                                              | 187                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 196                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 196                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 211                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 211                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 225                                                                                 |

# MLC250 S-2

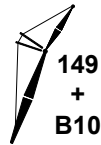
ASME B30.5



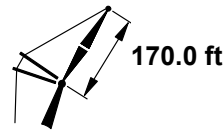
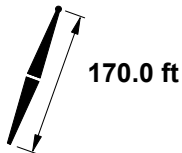
184,600 lb  
+  
44,000 lb

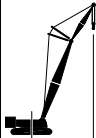
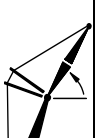
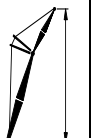
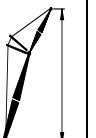
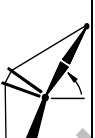


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft    |     |
| 54  |      |       |        |      |       |        |      |       |        |      |       |       | 54  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |       | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 82  |      |       |        |      |       |        |      |       |        |      |       |       | 82  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 98  | 68.0 | 323.0 | 44,100 |      |       |        |      |       |        |      |       |       | 98  |
| 100 | 67.2 | 322.2 | 42,900 |      |       |        |      |       |        |      |       |       | 100 |
| 105 | 65.2 | 319.9 | 40,100 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 63.2 | 317.5 | 37,600 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 61.2 | 314.8 | 35,300 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 59.1 | 311.8 | 33,200 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 57.0 | 308.7 | 31,400 | 63.0 | 313.8 | 27,200 |      |       |        |      |       |       | 125 |
| 130 | 54.8 | 305.2 | 29,600 | 61.0 | 311.1 | 25,700 |      |       |        |      |       |       | 130 |
| 135 | 52.6 | 301.5 | 28,000 | 58.9 | 308.1 | 24,200 |      |       |        |      |       |       | 135 |
| 140 | 50.3 | 297.4 | 26,600 | 56.7 | 304.9 | 22,900 |      |       |        |      |       |       | 140 |
| 145 | 47.9 | 293.0 | 25,200 | 54.6 | 301.4 | 21,700 |      |       |        |      |       |       | 145 |
| 150 | 45.4 | 288.2 | 23,900 | 52.3 | 297.6 | 20,500 |      |       |        |      |       |       | 150 |
| 152 | 43.8 | 286.1 | 23,400 | 51.2 | 296.0 | 20,100 | 57.6 | 301.6 | 16,800 |      |       |       | 152 |
| 155 | 42.8 | 283.0 | 22,700 | 50.0 | 293.6 | 19,500 | 56.4 | 299.6 | 16,300 |      |       |       | 155 |
| 160 | 40.1 | 277.2 | 21,600 | 47.6 | 289.1 | 18,500 | 54.2 | 296.1 | 15,400 |      |       |       | 160 |
| 165 | 37.2 | 270.9 | 20,600 | 45.1 | 284.3 | 17,500 | 51.9 | 292.3 | 14,500 |      |       |       | 165 |
| 170 | 34.1 | 263.8 | 19,600 | 42.5 | 279.0 | 16,700 | 49.6 | 288.1 | 13,700 |      |       |       | 170 |
| 173 | 31.6 | 259.0 | 19,000 | 40.2 | 275.5 | 16,200 | 47.8 | 285.4 | 13,200 |      |       |       | 173 |
| 175 | 30.7 | 255.7 | 18,700 | 39.8 | 273.1 | 15,800 | 47.2 | 283.6 | 12,900 |      |       |       | 175 |
| 177 | 28.4 | 252.0 | 18,300 | 37.8 | 270.6 | 15,500 | 45.8 | 281.6 | 12,600 | 52.6 | 287.7 | 9,100 | 177 |
| 179 | 26.8 | 248.3 | 18,000 | 36.6 | 268.0 | 15,200 | 44.6 | 279.7 | 12,300 | 51.3 | 286.1 | 8,800 | 179 |
| 180 | 26.9 | 246.5 | 17,800 | 36.8 | 266.7 | 15,100 | 44.7 | 278.7 | 12,100 | 51.3 | 285.3 | 8,700 | 180 |
| 185 | 22.6 | 235.4 | 17,000 | 33.7 | 259.5 | 14,300 | 42.0 | 273.3 | 11,400 | 48.9 | 281.1 | 8,100 | 185 |
| 187 | 20.0 | 229.7 | 16,600 | 31.8 | 256.3 | 14,000 | 40.8 | 270.9 | 11,200 | 47.2 | 279.2 | 7,900 | 187 |
| 190 | 17.2 | 221.2 | 16,100 | 30.3 | 251.4 | 13,600 | 39.2 | 267.4 | 10,800 | 46.5 | 276.4 | 7,500 | 190 |
| 195 | 8.9  | 198.8 | 15,300 | 26.5 | 241.9 | 12,900 | 36.3 | 260.8 | 10,100 | 43.9 | 271.4 | 7,000 | 195 |
| 196 | 6.0  | 190.6 | 15,200 | 25.2 | 239.6 | 12,800 | 35.4 | 259.3 | 10,000 | 42.6 | 270.3 | 6,900 | 196 |
| 200 |      |       |        | 22.0 | 230.6 | 12,300 | 33.1 | 253.5 | 9,500  | 41.3 | 265.9 | 6,400 | 200 |
| 205 |      |       |        | 16.4 | 215.8 | 11,700 | 29.6 | 245.1 | 8,900  | 38.5 | 259.8 | 5,900 | 205 |
| 210 |      |       |        | 7.4  | 191.2 | 11,000 | 25.7 | 235.4 | 8,400  | 35.4 | 253.0 | 5,500 | 210 |
| 211 |      |       |        | 3.2  | 179.4 | 10,900 | 24.0 | 232.6 | 8,200  |      |       |       | 211 |
| 220 |      |       |        |      |       |        | 15.2 | 207.9 | 7,300  |      |       |       | 220 |
| 225 |      |       |        |      |       |        | 3.8  | 176.3 | 6,700  |      |       |       | 225 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 56                                                                                   | 75.9                                                                                  | 342.5                                                                                | 44,800 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 56                                                                                     |
| 60                                                                                   | 74.5                                                                                  | 341.4                                                                                | 44,400                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 65                                                                                   | 72.7                                                                                  | 339.9                                                                                | 43,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 68                                                                                   | 70.8                                                                                  | 338.9                                                                                | 43,100                                                                               | 73.7                                                                                  | 340.4                                                                                | 51,400                                                                               |                                                                                         |                                                                                        |                                                                                        | 68                                                                                     |
| 70                                                                                   | 70.9                                                                                  | 338.2                                                                                | 42,800                                                                               | 73.0                                                                                  | 339.8                                                                                | 51,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 69.1                                                                                  | 336.4                                                                                | 41,300                                                                               | 71.2                                                                                  | 338.2                                                                                | 50,900                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 67.3                                                                                  | 334.3                                                                                | 41,100                                                                               | 69.5                                                                                  | 336.3                                                                                | 50,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 85                                                                                   | 65.5                                                                                  | 332.1                                                                                | 40,300                                                                               | 67.6                                                                                  | 334.3                                                                                | 48,700                                                                               | 70.8                                                                                    | 336.8                                                                                  | 49,900                                                                                 | 85                                                                                     |
| 90                                                                                   | 63.6                                                                                  | 329.7                                                                                | 39,400                                                                               | 65.8                                                                                  | 332.1                                                                                | 46,500                                                                               | 69.0                                                                                    | 334.9                                                                                  | 49,900                                                                                 | 90                                                                                     |
| 95                                                                                   | 61.7                                                                                  | 327.0                                                                                | 37,300                                                                               | 63.9                                                                                  | 329.7                                                                                | 44,500                                                                               | 67.2                                                                                    | 332.9                                                                                  | 49,000                                                                                 | 95                                                                                     |
| 100                                                                                  | 59.7                                                                                  | 324.2                                                                                | 35,300                                                                               | 62.0                                                                                  | 327.1                                                                                | 42,300                                                                               | 65.4                                                                                    | 330.6                                                                                  | 45,700                                                                                 | 100                                                                                    |
| 102                                                                                  | 58.2                                                                                  | 322.9                                                                                | 34,500                                                                               | 61.2                                                                                  | 326.0                                                                                | 41,500                                                                               | 64.2                                                                                    | 329.6                                                                                  | 44,500                                                                                 | 102                                                                                    |
| 105                                                                                  | 57.8                                                                                  | 321.1                                                                                | 33,400                                                                               | 60.1                                                                                  | 324.3                                                                                | 40,200                                                                               | 63.5                                                                                    | 328.2                                                                                  | 42,800                                                                                 | 105                                                                                    |
| 110                                                                                  | 55.7                                                                                  | 317.7                                                                                | 31,500                                                                               | 58.1                                                                                  | 321.3                                                                                | 38,100                                                                               | 61.6                                                                                    | 325.5                                                                                  | 40,100                                                                                 | 110                                                                                    |
| 115                                                                                  | 53.6                                                                                  | 314.1                                                                                | 29,800                                                                               | 56.1                                                                                  | 318.0                                                                                | 36,100                                                                               | 59.6                                                                                    | 322.7                                                                                  | 37,700                                                                                 | 115                                                                                    |
| 120                                                                                  | 51.5                                                                                  | 310.3                                                                                | 28,300                                                                               | 54.0                                                                                  | 314.4                                                                                | 34,200                                                                               | 57.7                                                                                    | 319.6                                                                                  | 35,500                                                                                 | 120                                                                                    |
| 125                                                                                  | 49.3                                                                                  | 306.1                                                                                | 26,700                                                                               | 51.9                                                                                  | 310.6                                                                                | 32,400                                                                               | 55.6                                                                                    | 316.2                                                                                  | 33,500                                                                                 | 125                                                                                    |
| 130                                                                                  | 47.0                                                                                  | 301.5                                                                                | 25,300                                                                               | 49.7                                                                                  | 306.5                                                                                | 30,700                                                                               | 53.6                                                                                    | 312.6                                                                                  | 31,700                                                                                 | 130                                                                                    |
| 135                                                                                  | 44.7                                                                                  | 296.6                                                                                | 23,900                                                                               | 47.5                                                                                  | 302.0                                                                                | 29,000                                                                               | 51.4                                                                                    | 308.7                                                                                  | 30,000                                                                                 | 135                                                                                    |
| 140                                                                                  | 42.2                                                                                  | 291.2                                                                                | 22,700                                                                               | 45.1                                                                                  | 297.1                                                                                | 27,600                                                                               | 49.2                                                                                    | 304.5                                                                                  | 28,400                                                                                 | 140                                                                                    |
| 145                                                                                  | 39.6                                                                                  | 285.4                                                                                | 21,600                                                                               | 42.7                                                                                  | 291.9                                                                                | 26,100                                                                               | 46.9                                                                                    | 299.9                                                                                  | 27,000                                                                                 | 145                                                                                    |
| 150                                                                                  | 36.9                                                                                  | 278.9                                                                                | 20,600                                                                               | 40.1                                                                                  | 286.1                                                                                | 24,700                                                                               | 44.6                                                                                    | 295.0                                                                                  | 25,600                                                                                 | 150                                                                                    |
| 155                                                                                  | 33.9                                                                                  | 271.8                                                                                | 19,700                                                                               | 37.4                                                                                  | 279.8                                                                                | 23,600                                                                               | 42.1                                                                                    | 289.6                                                                                  | 24,400                                                                                 | 155                                                                                    |
| 157                                                                                  | 31.8                                                                                  | 268.5                                                                                | 19,400                                                                               | 35.8                                                                                  | 277.0                                                                                | 23,100                                                                               | 40.8                                                                                    | 287.2                                                                                  | 23,900                                                                                 | 157                                                                                    |
| 160                                                                                  | 30.7                                                                                  | 263.7                                                                                | 18,900                                                                               | 34.5                                                                                  | 272.7                                                                                | 22,400                                                                               | 39.5                                                                                    | 283.7                                                                                  | 23,200                                                                                 | 160                                                                                    |
| 165                                                                                  | 27.2                                                                                  | 254.5                                                                                | 18,200                                                                               | 31.3                                                                                  | 264.9                                                                                | 21,500                                                                               | 36.7                                                                                    | 277.2                                                                                  | 22,100                                                                                 | 165                                                                                    |
| 170                                                                                  | 23.2                                                                                  | 243.7                                                                                | 17,600                                                                               | 27.9                                                                                  | 255.9                                                                                | 20,600                                                                               | 33.8                                                                                    | 270.0                                                                                  | 21,000                                                                                 | 170                                                                                    |
| 175                                                                                  | 18.3                                                                                  | 230.1                                                                                | 17,300                                                                               | 23.9                                                                                  | 245.4                                                                                | 19,800                                                                               | 30.6                                                                                    | 262.0                                                                                  | 20,100                                                                                 | 175                                                                                    |
| 180                                                                                  | 11.6                                                                                  | 210.8                                                                                | 17,300                                                                               | 19.3                                                                                  | 232.5                                                                                | 19,300                                                                               | 27.0                                                                                    | 252.7                                                                                  | 19,100                                                                                 | 180                                                                                    |
| 183                                                                                  | 3.1                                                                                   | 186.0                                                                                | 17,100                                                                               | 15.4                                                                                  | 221.9                                                                                | 19,100                                                                               | 24.0                                                                                    | 246.1                                                                                  | 18,600                                                                                 | 183                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      | 13.1                                                                                  | 214.8                                                                                | 19,000                                                                               | 23.0                                                                                    | 241.7                                                                                  | 18,300                                                                                 | 185                                                                                    |
| 189                                                                                  |                                                                                       |                                                                                      |                                                                                      | 2.5                                                                                   | 183.7                                                                                | 17,400                                                                               | 18.8                                                                                    | 230.8                                                                                  | 17,600                                                                                 | 189                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 18.0                                                                                    | 228.0                                                                                  | 17,400                                                                                 | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 11.1                                                                                    | 208.2                                                                                  | 16,600                                                                                 | 195                                                                                    |
| 197                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 6.5                                                                                     | 194.6                                                                                  | 16,200                                                                                 | 197                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |
| 206                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 206                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 220                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 220                                                                                    |
| 221                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 221                                                                                    |
| 230                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 230                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 235                                                                                    |

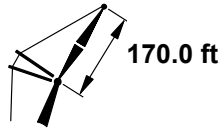
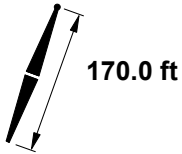


# MLC250 S-2

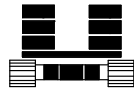
ASME B30.5



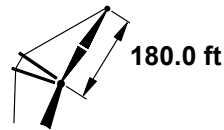
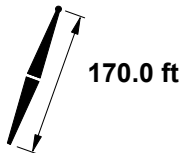
184,600 lb  
+  
44,000 lb

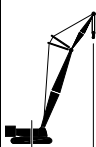
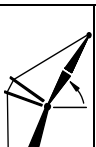
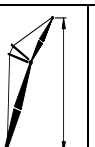
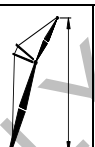


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb    | ft  |
| 56  |      |       |        |      |       |        |      |       |        |      |       |       | 56  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 68  |      |       |        |      |       |        |      |       |        |      |       |       | 68  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 100 |      |       |        |      |       |        |      |       |        |      |       |       | 100 |
| 102 | 67.9 | 332.2 | 41,300 |      |       |        |      |       |        |      |       |       | 102 |
| 105 | 66.8 | 330.9 | 39,700 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 64.9 | 328.6 | 37,200 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 63.0 | 326.1 | 34,900 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 61.1 | 323.4 | 32,800 |      |       |        |      |       |        |      |       |       | 120 |
| 125 | 59.2 | 320.5 | 31,000 |      |       |        |      |       |        |      |       |       | 125 |
| 130 | 57.2 | 317.4 | 29,200 | 62.8 | 322.4 | 25,200 |      |       |        |      |       |       | 130 |
| 135 | 55.1 | 313.9 | 27,600 | 60.9 | 319.7 | 23,800 |      |       |        |      |       |       | 135 |
| 140 | 53.0 | 310.3 | 26,200 | 58.9 | 316.8 | 22,500 |      |       |        |      |       |       | 140 |
| 145 | 50.9 | 306.3 | 24,800 | 56.9 | 313.6 | 21,300 |      |       |        |      |       |       | 145 |
| 150 | 48.7 | 302.0 | 23,500 | 54.9 | 310.1 | 20,100 |      |       |        |      |       |       | 150 |
| 155 | 46.4 | 297.3 | 22,400 | 52.8 | 306.4 | 19,100 |      |       |        |      |       |       | 155 |
| 157 | 44.8 | 295.3 | 21,900 | 51.2 | 304.8 | 18,700 | 57.8 | 310.3 | 15,300 |      |       |       | 157 |
| 160 | 44.0 | 292.3 | 21,300 | 50.6 | 302.4 | 18,100 | 56.6 | 308.3 | 14,800 |      |       |       | 160 |
| 165 | 41.5 | 286.8 | 20,200 | 48.4 | 298.1 | 17,100 | 54.5 | 304.8 | 13,900 |      |       |       | 165 |
| 170 | 38.8 | 280.8 | 19,200 | 46.1 | 293.4 | 16,300 | 52.4 | 301.1 | 13,000 |      |       |       | 170 |
| 175 | 36.0 | 274.1 | 18,300 | 43.7 | 288.3 | 15,400 | 50.2 | 297.0 | 12,300 |      |       |       | 175 |
| 180 | 33.0 | 266.7 | 17,500 | 41.2 | 282.7 | 14,700 | 48.0 | 292.6 | 11,500 |      |       |       | 180 |
| 183 | 30.6 | 261.7 | 17,000 | 39.2 | 279.1 | 14,200 | 45.8 | 289.7 | 11,100 | 52.7 | 295.7 | 7,700 | 183 |
| 185 | 29.7 | 258.4 | 16,600 | 38.5 | 276.7 | 13,900 | 45.7 | 287.8 | 10,800 | 51.8 | 294.1 | 7,500 | 185 |
| 189 | 26.6 | 250.7 | 16,000 | 35.6 | 271.3 | 13,400 | 43.4 | 283.7 | 10,300 | 49.4 | 290.8 | 7,000 | 189 |
| 190 | 26.1 | 248.8 | 15,800 | 35.7 | 269.9 | 13,200 | 43.2 | 282.7 | 10,200 | 49.6 | 290.0 | 6,900 | 190 |
| 195 | 21.9 | 237.3 | 15,100 | 32.7 | 262.5 | 12,600 | 40.7 | 277.0 | 9,500  | 47.4 | 285.5 | 6,300 | 195 |
| 197 | 19.0 | 231.4 | 14,800 | 30.8 | 259.1 | 12,300 | 39.2 | 274.5 | 9,300  | 46.2 | 283.5 | 6,100 | 197 |
| 200 | 16.6 | 222.6 | 14,400 | 29.3 | 254.0 | 11,900 | 38.0 | 270.8 | 8,900  | 45.0 | 280.6 | 5,800 | 200 |
| 205 | 8.6  | 199.5 | 13,700 | 25.6 | 244.2 | 11,300 | 35.2 | 264.0 | 8,300  | 42.6 | 275.3 | 5,300 | 205 |
| 206 | 5.8  | 191.1 | 13,500 | 24.2 | 241.8 | 11,200 | 34.4 | 262.5 | 8,200  |      |       |       | 206 |
| 210 |      |       |        | 21.3 | 232.4 | 10,800 | 32.1 | 256.3 | 7,800  |      |       |       | 210 |
| 215 |      |       |        | 15.9 | 217.2 | 10,200 | 28.7 | 247.7 | 7,300  |      |       |       | 215 |
| 220 |      |       |        | 7.2  | 191.8 | 9,600  | 24.9 | 237.6 | 6,800  |      |       |       | 220 |
| 221 |      |       |        | 3.1  | 179.6 | 9,400  | 23.0 | 234.7 | 6,700  |      |       |       | 221 |
| 230 |      |       |        |      |       |        | 14.7 | 209.1 | 5,800  |      |       |       | 230 |
| 235 |      |       |        |      |       |        | 3.6  | 176.6 | 5,200  |      |       |       | 235 |



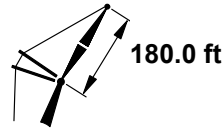
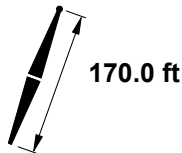
184,600 lb  
+  
44,000 lb



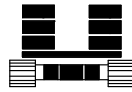
|     |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |      |  |  |      |  |  |       |  |  |  |
|     | ft                                                                                    | ft                                                                                | lb                                                                                | ft                                                                                    | lb                                                                                | ft                                                                                | ft                                                                                      | lb                                                                                  | ft                                                                                  |                                                                                     |
| 58  | 76.0                                                                                  | 352.3                                                                             | 41,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 58                                                                                  |                                                                                     |
| 60  | 75.3                                                                                  | 351.8                                                                             | 41,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 60                                                                                  |                                                                                     |
| 65  | 73.7                                                                                  | 350.4                                                                             | 40,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 65                                                                                  |                                                                                     |
| 70  | 72.0                                                                                  | 348.8                                                                             | 39,800                                                                            | 74.0                                                                                  | 350.3                                                                             | 47,200                                                                            |                                                                                         |                                                                                     | 70                                                                                  |                                                                                     |
| 75  | 70.3                                                                                  | 347.1                                                                             | 39,100                                                                            | 72.3                                                                                  | 348.7                                                                             | 46,900                                                                            |                                                                                         |                                                                                     | 75                                                                                  |                                                                                     |
| 80  | 68.6                                                                                  | 345.1                                                                             | 38,400                                                                            | 70.6                                                                                  | 347.0                                                                             | 46,600                                                                            |                                                                                         |                                                                                     | 80                                                                                  |                                                                                     |
| 85  | 66.9                                                                                  | 343.1                                                                             | 37,700                                                                            | 68.9                                                                                  | 345.1                                                                             | 46,100                                                                            |                                                                                         |                                                                                     | 85                                                                                  |                                                                                     |
| 88  | 65.4                                                                                  | 341.7                                                                             | 37,200                                                                            | 67.4                                                                                  | 343.9                                                                             | 45,000                                                                            | 70.9                                                                                    | 346.3                                                                               | 45,700                                                                              |                                                                                     |
| 90  | 65.2                                                                                  | 340.8                                                                             | 37,000                                                                            | 67.2                                                                                  | 343.1                                                                             | 44,300                                                                            | 70.3                                                                                    | 345.6                                                                               | 45,700                                                                              |                                                                                     |
| 95  | 63.4                                                                                  | 338.3                                                                             | 35,900                                                                            | 65.5                                                                                  | 340.8                                                                             | 42,500                                                                            | 68.5                                                                                    | 343.7                                                                               | 45,700                                                                              |                                                                                     |
| 100 | 61.6                                                                                  | 335.7                                                                             | 34,100                                                                            | 63.7                                                                                  | 338.4                                                                             | 40,600                                                                            | 66.8                                                                                    | 341.6                                                                               | 45,200                                                                              |                                                                                     |
| 105 | 59.7                                                                                  | 332.8                                                                             | 32,300                                                                            | 61.9                                                                                  | 335.8                                                                             | 38,700                                                                            | 65.1                                                                                    | 339.3                                                                               | 42,300                                                                              |                                                                                     |
| 106 | 58.6                                                                                  | 332.2                                                                             | 32,000                                                                            | 60.8                                                                                  | 335.2                                                                             | 38,400                                                                            | 64.6                                                                                    | 338.8                                                                               | 41,700                                                                              |                                                                                     |
| 110 | 57.9                                                                                  | 329.8                                                                             | 30,600                                                                            | 60.1                                                                                  | 333.0                                                                             | 36,900                                                                            | 63.3                                                                                    | 336.9                                                                               | 39,600                                                                              |                                                                                     |
| 115 | 56.0                                                                                  | 326.4                                                                             | 29,000                                                                            | 58.2                                                                                  | 329.9                                                                             | 35,100                                                                            | 61.5                                                                                    | 334.2                                                                               | 37,200                                                                              |                                                                                     |
| 120 | 54.0                                                                                  | 322.9                                                                             | 27,500                                                                            | 56.3                                                                                  | 326.7                                                                             | 33,400                                                                            | 59.7                                                                                    | 331.3                                                                               | 35,000                                                                              |                                                                                     |
| 125 | 52.0                                                                                  | 319.1                                                                             | 26,000                                                                            | 54.4                                                                                  | 323.2                                                                             | 31,600                                                                            | 57.8                                                                                    | 328.2                                                                               | 33,000                                                                              |                                                                                     |
| 130 | 50.0                                                                                  | 315.0                                                                             | 24,800                                                                            | 52.4                                                                                  | 319.4                                                                             | 30,000                                                                            | 55.9                                                                                    | 324.9                                                                               | 31,200                                                                              |                                                                                     |
| 134 | 47.4                                                                                  | 311.4                                                                             | 23,700                                                                            | 50.4                                                                                  | 316.2                                                                             | 28,800                                                                            | 53.4                                                                                    | 322.1                                                                               | 29,800                                                                              |                                                                                     |
| 135 | 47.8                                                                                  | 310.5                                                                             | 23,500                                                                            | 50.3                                                                                  | 315.3                                                                             | 28,500                                                                            | 53.9                                                                                    | 321.4                                                                               | 29,500                                                                              |                                                                                     |
| 140 | 45.6                                                                                  | 305.7                                                                             | 22,300                                                                            | 48.2                                                                                  | 311.0                                                                             | 27,000                                                                            | 51.9                                                                                    | 317.5                                                                               | 27,900                                                                              |                                                                                     |
| 145 | 43.3                                                                                  | 300.6                                                                             | 21,100                                                                            | 46.0                                                                                  | 306.3                                                                             | 25,700                                                                            | 49.9                                                                                    | 313.4                                                                               | 26,500                                                                              |                                                                                     |
| 150 | 40.9                                                                                  | 295.0                                                                             | 20,100                                                                            | 43.8                                                                                  | 301.2                                                                             | 24,500                                                                            | 47.7                                                                                    | 309.0                                                                               | 25,200                                                                              |                                                                                     |
| 155 | 38.4                                                                                  | 288.9                                                                             | 19,200                                                                            | 41.4                                                                                  | 295.7                                                                             | 23,300                                                                            | 45.5                                                                                    | 304.2                                                                               | 23,900                                                                              |                                                                                     |
| 160 | 35.8                                                                                  | 282.1                                                                             | 18,400                                                                            | 38.9                                                                                  | 289.6                                                                             | 22,000                                                                            | 43.2                                                                                    | 299.0                                                                               | 22,700                                                                              |                                                                                     |
| 162 | 33.8                                                                                  | 279.2                                                                             | 18,100                                                                            | 37.2                                                                                  | 287.0                                                                             | 21,600                                                                            | 41.8                                                                                    | 296.7                                                                               | 22,300                                                                              |                                                                                     |
| 165 | 32.9                                                                                  | 274.7                                                                             | 17,600                                                                            | 36.3                                                                                  | 283.0                                                                             | 21,100                                                                            | 40.8                                                                                    | 293.3                                                                               | 21,600                                                                              |                                                                                     |
| 170 | 29.8                                                                                  | 266.4                                                                             | 16,900                                                                            | 33.5                                                                                  | 275.8                                                                             | 20,100                                                                            | 38.3                                                                                    | 287.2                                                                               | 20,600                                                                              |                                                                                     |
| 175 | 26.4                                                                                  | 256.8                                                                             | 16,400                                                                            | 30.4                                                                                  | 267.6                                                                             | 19,300                                                                            | 35.6                                                                                    | 280.5                                                                               | 19,600                                                                              |                                                                                     |
| 180 | 22.5                                                                                  | 245.6                                                                             | 16,000                                                                            | 27.1                                                                                  | 258.3                                                                             | 18,600                                                                            | 32.8                                                                                    | 273.0                                                                               | 18,700                                                                              |                                                                                     |
| 185 | 17.8                                                                                  | 231.7                                                                             | 15,600                                                                            | 23.3                                                                                  | 247.5                                                                             | 18,000                                                                            | 29.7                                                                                    | 264.6                                                                               | 17,800                                                                              |                                                                                     |
| 190 | 11.2                                                                                  | 211.7                                                                             | 15,600                                                                            | 18.7                                                                                  | 234.1                                                                             | 17,500                                                                            | 26.2                                                                                    | 255.0                                                                               | 17,000                                                                              |                                                                                     |
| 193 | 3.0                                                                                   | 186.2                                                                             | 14,800                                                                            | 14.4                                                                                  | 223.2                                                                             | 17,400                                                                            | 23.6                                                                                    | 248.2                                                                               | 16,500                                                                              |                                                                                     |
| 195 |                                                                                       |                                                                                   |                                                                                   | 12.7                                                                                  | 215.9                                                                             | 17,300                                                                            | 22.3                                                                                    | 243.7                                                                               | 16,200                                                                              |                                                                                     |
| 199 |                                                                                       |                                                                                   |                                                                                   | 2.4                                                                                   | 183.8                                                                             | 15,100                                                                            | 18.0                                                                                    | 232.4                                                                               | 15,600                                                                              |                                                                                     |
| 200 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 17.5                                                                                    | 229.6                                                                               | 15,500                                                                              |                                                                                     |
| 205 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 10.8                                                                                    | 209.1                                                                               | 14,700                                                                              |                                                                                     |
| 207 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 6.3                                                                                     | 195.2                                                                               | 14,400                                                                              |                                                                                     |
| 210 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 210                                                                                 |                                                                                     |
| 215 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 215                                                                                 |                                                                                     |
| 216 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 216                                                                                 |                                                                                     |
| 220 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 220                                                                                 |                                                                                     |
| 230 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 230                                                                                 |                                                                                     |
| 231 |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     | 231                                                                                 |                                                                                     |



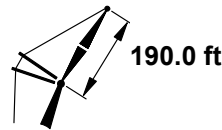
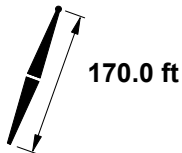
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 58  |      |       |        |      |       |        |      |       |        | 58  |
| 60  |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 88  |      |       |        |      |       |        |      |       |        | 88  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 106 | 67.8 | 341.4 | 38,600 |      |       |        |      |       |        | 106 |
| 110 | 66.4 | 339.6 | 36,600 |      |       |        |      |       |        | 110 |
| 115 | 64.6 | 337.3 | 34,400 |      |       |        |      |       |        | 115 |
| 120 | 62.9 | 334.8 | 32,300 |      |       |        |      |       |        | 120 |
| 125 | 61.1 | 332.1 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 59.2 | 329.2 | 28,700 |      |       |        |      |       |        | 130 |
| 134 | 57.4 | 326.7 | 27,400 | 63.0 | 331.6 | 23,500 |      |       |        | 134 |
| 135 | 57.3 | 326.0 | 27,100 | 62.7 | 331.1 | 23,200 |      |       |        | 135 |
| 140 | 55.4 | 322.7 | 25,700 | 60.8 | 328.4 | 21,900 |      |       |        | 140 |
| 145 | 53.4 | 319.0 | 24,300 | 59.0 | 325.4 | 20,700 |      |       |        | 145 |
| 150 | 51.4 | 315.1 | 23,000 | 57.1 | 322.3 | 19,600 |      |       |        | 150 |
| 155 | 49.3 | 310.9 | 21,900 | 55.2 | 318.9 | 18,500 |      |       |        | 155 |
| 160 | 47.2 | 306.4 | 20,800 | 53.2 | 315.2 | 17,500 |      |       |        | 160 |
| 162 | 45.8 | 304.4 | 20,300 | 52.2 | 313.6 | 17,100 | 57.9 | 319.0 | 13,500 | 162 |
| 165 | 45.0 | 301.5 | 19,700 | 51.2 | 311.3 | 16,600 | 56.8 | 317.0 | 13,000 | 165 |
| 170 | 42.7 | 296.2 | 18,800 | 49.1 | 307.0 | 15,700 | 54.8 | 313.6 | 12,200 | 170 |
| 175 | 40.2 | 290.5 | 17,800 | 47.0 | 302.5 | 14,900 | 52.9 | 309.8 | 11,400 | 175 |
| 180 | 37.7 | 284.2 | 17,000 | 44.7 | 297.5 | 14,100 | 50.8 | 305.9 | 10,700 | 180 |
| 185 | 35.0 | 277.3 | 16,200 | 42.4 | 292.2 | 13,400 | 48.7 | 301.6 | 10,000 | 185 |
| 190 | 32.0 | 269.6 | 15,400 | 40.0 | 286.4 | 12,700 | 46.5 | 296.9 | 9,300  | 190 |
| 193 | 29.6 | 264.4 | 15,000 | 37.8 | 282.6 | 12,300 | 44.8 | 293.9 | 9,000  | 193 |
| 195 | 28.9 | 261.0 | 14,700 | 37.4 | 280.0 | 12,100 | 44.3 | 291.9 | 8,700  | 195 |
| 199 | 25.6 | 253.0 | 14,100 | 34.6 | 274.5 | 11,500 | 41.6 | 287.6 | 8,200  | 199 |
| 200 | 25.3 | 251.0 | 14,000 | 34.6 | 273.1 | 11,400 | 42.0 | 286.5 | 8,100  | 200 |
| 205 | 21.2 | 239.2 | 13,300 | 31.7 | 265.3 | 10,700 | 39.5 | 280.6 | 7,600  | 205 |
| 207 | 19.0 | 233.1 | 13,000 | 29.8 | 261.8 | 10,500 | 37.8 | 278.0 | 7,300  | 207 |
| 210 | 16.1 | 224.0 | 12,600 | 28.5 | 256.5 | 10,100 | 36.9 | 274.2 | 7,000  | 210 |
| 215 | 8.4  | 200.2 | 12,000 | 24.9 | 246.4 | 9,500  | 34.1 | 267.1 | 6,500  | 215 |
| 216 |      |       |        | 23.2 | 244.0 | 9,400  | 33.4 | 265.5 | 6,400  | 216 |
| 220 | 5.6  | 191.5 | 11,800 | 20.7 | 234.3 | 8,900  | 31.1 | 259.1 | 6,000  | 220 |
| 230 |      |       |        | 7.0  | 192.4 | 7,800  | 24.2 | 239.7 | 5,100  | 230 |
| 231 |      |       |        | 3.0  | 179.8 | 7,600  |      |       |        | 231 |



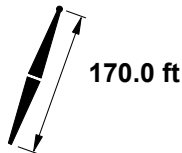
184,600 lb  
+  
44,000 lb



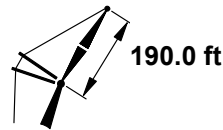
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 61  | 75.8 | 361.9 | 38,000 |      |       |        |      |       |        | 61  |
| 65  | 74.6 | 360.8 | 37,700 |      |       |        |      |       |        | 65  |
| 70  | 73.0 | 359.3 | 37,100 |      |       |        |      |       |        | 70  |
| 73  | 71.4 | 358.3 | 36,700 | 73.9 | 359.8 | 43,400 |      |       |        | 73  |
| 75  | 71.4 | 357.7 | 36,500 | 73.3 | 359.2 | 43,300 |      |       |        | 75  |
| 80  | 69.8 | 355.9 | 35,800 | 71.7 | 357.6 | 43,000 |      |       |        | 80  |
| 85  | 68.2 | 353.9 | 35,200 | 70.1 | 355.8 | 42,700 |      |       |        | 85  |
| 90  | 66.5 | 351.8 | 34,600 | 68.5 | 353.9 | 42,100 |      |       |        | 90  |
| 91  | 65.6 | 351.3 | 34,500 | 67.6 | 353.5 | 41,800 | 71.0 | 355.9 | 41,900 | 91  |
| 95  | 64.9 | 349.5 | 34,000 | 66.9 | 351.8 | 40,600 | 69.7 | 354.4 | 41,900 | 95  |
| 100 | 63.2 | 347.0 | 32,900 | 65.2 | 349.5 | 38,900 | 68.1 | 352.5 | 41,900 | 100 |
| 105 | 61.5 | 344.4 | 31,300 | 63.5 | 347.1 | 37,300 | 66.5 | 350.3 | 41,700 | 105 |
| 109 | 59.4 | 342.1 | 30,000 | 61.4 | 345.0 | 36,000 | 64.4 | 348.5 | 39,800 | 109 |
| 110 | 59.8 | 341.5 | 29,700 | 61.8 | 344.5 | 35,600 | 64.8 | 348.0 | 39,400 | 110 |
| 115 | 58.0 | 338.4 | 28,200 | 60.1 | 341.6 | 34,100 | 63.1 | 345.5 | 37,000 | 115 |
| 120 | 56.2 | 335.1 | 26,800 | 58.3 | 338.6 | 32,400 | 61.4 | 342.9 | 34,800 | 120 |
| 125 | 54.3 | 331.6 | 25,400 | 56.5 | 335.4 | 30,900 | 59.7 | 340.0 | 32,800 | 125 |
| 130 | 52.5 | 327.9 | 24,200 | 54.7 | 331.9 | 29,400 | 57.9 | 336.9 | 31,000 | 130 |
| 135 | 50.5 | 323.8 | 23,000 | 52.8 | 328.2 | 27,900 | 56.1 | 333.6 | 29,300 | 135 |
| 139 | 48.4 | 320.4 | 22,100 | 50.4 | 325.0 | 26,800 | 54.4 | 330.8 | 28,000 | 139 |
| 140 | 48.5 | 319.5 | 21,900 | 50.9 | 324.2 | 26,600 | 54.3 | 330.1 | 27,700 | 140 |
| 145 | 46.5 | 314.8 | 20,800 | 48.9 | 319.9 | 25,200 | 52.4 | 326.3 | 26,300 | 145 |
| 150 | 44.3 | 309.8 | 19,700 | 46.9 | 315.3 | 24,000 | 50.4 | 322.3 | 24,900 | 150 |
| 155 | 42.1 | 304.5 | 18,800 | 44.7 | 310.4 | 22,800 | 48.4 | 317.9 | 23,700 | 155 |
| 160 | 39.8 | 298.6 | 18,000 | 42.5 | 305.1 | 21,900 | 46.4 | 313.3 | 22,500 | 160 |
| 165 | 37.4 | 292.3 | 17,200 | 40.2 | 299.3 | 20,800 | 44.2 | 308.2 | 21,400 | 165 |
| 167 | 35.8 | 289.5 | 16,900 | 38.8 | 296.8 | 20,400 | 43.2 | 306.1 | 21,000 | 167 |
| 170 | 34.8 | 285.3 | 16,500 | 37.8 | 293.1 | 19,800 | 42.0 | 302.8 | 20,400 | 170 |
| 175 | 32.0 | 277.6 | 15,900 | 35.3 | 286.2 | 18,900 | 39.7 | 297.0 | 19,400 | 175 |
| 180 | 29.0 | 269.0 | 15,300 | 32.5 | 278.7 | 18,200 | 37.2 | 290.6 | 18,500 | 180 |
| 185 | 25.7 | 259.1 | 14,800 | 29.6 | 270.2 | 17,400 | 34.6 | 283.6 | 17,700 | 185 |
| 190 | 21.9 | 247.6 | 14,400 | 26.3 | 260.7 | 16,800 | 31.9 | 275.9 | 16,800 | 190 |
| 195 | 17.3 | 233.2 | 14,200 | 22.6 | 249.5 | 16,300 | 28.9 | 267.2 | 16,100 | 195 |
| 200 | 10.9 | 212.7 | 14,200 | 18.2 | 235.7 | 16,000 | 25.5 | 257.3 | 15,300 | 200 |
| 203 | 2.9  | 186.4 | 13,000 | 12.7 | 218.5 | 15,100 | 22.6 | 249.4 | 14,900 | 203 |
| 209 |      |       |        | 2.3  | 184.0 | 13,300 | 17.8 | 233.7 | 14,100 | 209 |
| 210 |      |       |        |      |       |        | 17.0 | 231.1 | 13,900 | 210 |
| 217 |      |       |        |      |       |        | 6.1  | 195.7 | 13,000 | 217 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 225 |      |       |        |      |       |        |      |       |        | 225 |
| 226 |      |       |        |      |       |        |      |       |        | 226 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 240 |      |       |        |      |       |        |      |       |        | 240 |
| 241 |      |       |        |      |       |        |      |       |        | 241 |



184,600 lb  
+  
44,000 lb

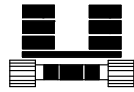


170.0 ft

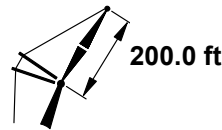
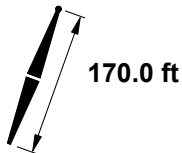


190.0 ft

|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 61  |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 91  |      |       |        |      |       |        |      |       |        | 91  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 109 | 68.0 | 350.9 | 36,900 |      |       |        |      |       |        | 109 |
| 110 | 67.7 | 350.5 | 36,400 |      |       |        |      |       |        | 110 |
| 115 | 66.1 | 348.4 | 34,100 |      |       |        |      |       |        | 115 |
| 120 | 64.4 | 346.0 | 32,100 |      |       |        |      |       |        | 120 |
| 125 | 62.7 | 343.5 | 30,200 |      |       |        |      |       |        | 125 |
| 130 | 61.0 | 340.8 | 28,500 |      |       |        |      |       |        | 130 |
| 135 | 59.3 | 337.8 | 26,900 |      |       |        |      |       |        | 135 |
| 139 | 57.4 | 335.3 | 25,700 | 62.9 | 340.3 | 21,900 |      |       |        | 139 |
| 140 | 57.5 | 334.7 | 25,400 | 62.5 | 339.8 | 21,700 |      |       |        | 140 |
| 145 | 55.7 | 331.4 | 24,100 | 60.8 | 337.0 | 20,500 |      |       |        | 145 |
| 150 | 53.8 | 327.8 | 22,800 | 59.1 | 334.1 | 19,300 |      |       |        | 150 |
| 155 | 51.9 | 323.9 | 21,600 | 57.3 | 330.9 | 18,300 |      |       |        | 155 |
| 160 | 49.9 | 319.8 | 20,500 | 55.5 | 327.6 | 17,300 |      |       |        | 160 |
| 165 | 47.9 | 315.4 | 19,500 | 53.6 | 323.9 | 16,400 |      |       |        | 165 |
| 167 | 46.2 | 313.5 | 19,100 | 52.2 | 322.4 | 16,000 | 58.0 | 327.6 | 12,300 | 167 |
| 170 | 45.9 | 310.6 | 18,600 | 51.7 | 320.1 | 15,500 | 56.9 | 325.7 | 11,800 | 170 |
| 175 | 43.7 | 305.5 | 17,600 | 49.7 | 315.9 | 14,700 | 55.1 | 322.3 | 11,000 | 175 |
| 180 | 41.5 | 300.0 | 16,800 | 47.7 | 311.5 | 13,900 | 53.2 | 318.6 | 10,300 | 180 |
| 185 | 39.1 | 294.0 | 16,000 | 45.6 | 306.7 | 13,200 | 51.3 | 314.7 | 9,600  | 185 |
| 190 | 36.6 | 287.5 | 15,200 | 43.5 | 301.5 | 12,400 | 49.4 | 310.5 | 9,000  | 190 |
| 195 | 34.0 | 280.4 | 14,500 | 41.2 | 296.0 | 11,700 | 47.3 | 306.0 | 8,400  | 195 |
| 200 | 31.2 | 272.4 | 13,800 | 38.8 | 289.9 | 11,100 | 45.2 | 301.1 | 7,800  | 200 |
| 203 | 28.9 | 266.6 | 13,400 | 36.5 | 285.8 | 10,700 | 43.5 | 297.9 | 7,500  | 203 |
| 209 | 24.7 | 255.1 | 12,600 | 33.5 | 277.5 | 9,900  | 40.5 | 291.3 | 6,800  | 209 |
| 210 | 24.6 | 253.2 | 12,500 | 33.7 | 276.1 | 9,800  | 40.8 | 290.3 | 6,700  | 210 |
| 217 | 17.7 | 233.7 | 11,600 | 28.8 | 264.1 | 9,000  | 36.5 | 281.3 | 6,000  | 217 |
| 220 | 15.7 | 225.4 | 11,300 | 27.7 | 259.0 | 8,700  | 35.9 | 277.4 | 5,700  | 220 |
| 225 | 8.2  | 200.9 | 10,700 | 24.2 | 248.5 | 8,100  | 33.2 | 270.0 | 5,200  | 225 |
| 226 |      |       |        | 23.2 | 246.0 | 8,000  |      |       |        | 226 |
| 230 |      |       |        | 20.1 | 236.0 | 7,600  |      |       |        | 230 |
| 240 |      |       |        | 6.8  | 192.9 | 6,500  |      |       |        | 240 |
| 241 |      |       |        | 2.9  | 180.0 | 6,400  |      |       |        | 241 |



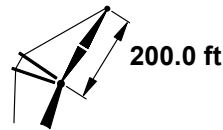
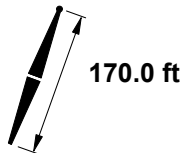
184,600 lb  
+  
44,000 lb



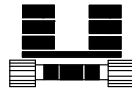
|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 63  | 76.0 | 371.7 | 34,900 |      |       |        |      |       |        | 63  |
| 65  | 75.4 | 371.2 | 34,800 |      |       |        |      |       |        | 65  |
| 70  | 73.9 | 369.8 | 34,500 |      |       |        |      |       |        | 70  |
| 75  | 72.4 | 368.2 | 33,900 |      |       |        |      |       |        | 75  |
| 76  | 71.6 | 367.9 | 33,800 | 73.8 | 369.4 | 39,800 |      |       |        | 76  |
| 80  | 70.9 | 366.5 | 33,400 | 72.6 | 368.1 | 39,500 |      |       |        | 80  |
| 85  | 69.3 | 364.7 | 32,800 | 71.1 | 366.5 | 39,300 |      |       |        | 85  |
| 90  | 67.8 | 362.7 | 32,300 | 69.6 | 364.6 | 39,000 |      |       |        | 90  |
| 95  | 66.2 | 360.5 | 31,800 | 68.1 | 362.7 | 38,400 | 70.8 | 365.1 | 38,300 | 95  |
| 100 | 64.6 | 358.2 | 31,200 | 66.5 | 360.5 | 37,100 | 69.3 | 363.2 | 38,200 | 100 |
| 105 | 63.0 | 355.7 | 30,100 | 64.9 | 358.2 | 35,600 | 67.7 | 361.2 | 38,200 | 105 |
| 110 | 61.4 | 353.0 | 28,700 | 63.3 | 355.8 | 34,200 | 66.2 | 359.0 | 38,000 | 110 |
| 113 | 59.8 | 351.3 | 27,900 | 61.8 | 354.2 | 33,400 | 64.8 | 357.6 | 37,100 | 113 |
| 115 | 59.8 | 350.2 | 27,400 | 61.7 | 353.1 | 32,800 | 64.6 | 356.7 | 36,500 | 115 |
| 120 | 58.1 | 347.1 | 26,000 | 60.1 | 350.3 | 31,400 | 63.0 | 354.2 | 34,300 | 120 |
| 125 | 56.4 | 343.8 | 24,700 | 58.4 | 347.3 | 30,000 | 61.3 | 351.5 | 32,300 | 125 |
| 130 | 54.6 | 340.3 | 23,600 | 56.7 | 344.1 | 28,600 | 59.7 | 348.7 | 30,500 | 130 |
| 135 | 52.9 | 336.6 | 22,400 | 55.0 | 340.6 | 27,200 | 58.0 | 345.6 | 28,800 | 135 |
| 140 | 51.0 | 332.7 | 21,300 | 53.2 | 336.9 | 25,900 | 56.3 | 342.3 | 27,300 | 140 |
| 143 | 49.8 | 330.1 | 20,700 | 51.8 | 334.6 | 25,200 | 54.8 | 340.2 | 26,400 | 143 |
| 145 | 49.1 | 328.4 | 20,300 | 51.4 | 333.0 | 24,700 | 54.6 | 338.8 | 25,800 | 145 |
| 150 | 47.2 | 323.9 | 19,400 | 49.5 | 328.8 | 23,500 | 52.8 | 335.1 | 24,500 | 150 |
| 155 | 45.2 | 319.0 | 18,500 | 47.6 | 324.4 | 22,500 | 50.9 | 331.1 | 23,200 | 155 |
| 160 | 43.1 | 313.8 | 17,600 | 45.6 | 319.6 | 21,400 | 49.1 | 326.9 | 22,100 | 160 |
| 165 | 41.0 | 308.2 | 16,800 | 43.5 | 314.4 | 20,400 | 47.1 | 322.3 | 21,000 | 165 |
| 170 | 38.7 | 302.1 | 16,100 | 41.4 | 308.9 | 19,500 | 45.1 | 317.4 | 20,000 | 170 |
| 173 | 36.8 | 298.2 | 15,700 | 39.8 | 305.3 | 19,000 | 43.8 | 314.3 | 19,400 | 173 |
| 175 | 36.4 | 295.5 | 15,400 | 39.2 | 302.9 | 18,700 | 43.0 | 312.2 | 19,000 | 175 |
| 180 | 33.9 | 288.3 | 14,800 | 36.8 | 296.4 | 17,800 | 40.9 | 306.6 | 18,100 | 180 |
| 185 | 31.2 | 280.4 | 14,300 | 34.3 | 289.3 | 17,100 | 38.6 | 300.5 | 17,200 | 185 |
| 190 | 28.2 | 271.5 | 13,800 | 31.7 | 281.5 | 16,400 | 36.3 | 293.9 | 16,400 | 190 |
| 195 | 25.0 | 261.3 | 13,400 | 28.8 | 272.8 | 15,800 | 33.7 | 286.6 | 15,600 | 195 |
| 200 | 21.3 | 249.4 | 13,100 | 25.6 | 262.9 | 15,300 | 31.0 | 278.6 | 14,900 | 200 |
| 205 | 16.8 | 234.6 | 13,000 | 22.0 | 251.4 | 14,900 | 28.1 | 269.7 | 14,200 | 205 |
| 210 | 10.6 | 213.6 | 13,000 | 17.7 | 237.3 | 14,600 | 24.8 | 259.5 | 13,500 | 210 |
| 213 | 2.8  | 186.6 | 11,100 | 14.0 | 225.7 | 14,400 | 22.2 | 252.3 | 13,200 | 213 |
| 215 |      |       |        | 12.0 | 217.9 | 14,300 | 21.1 | 247.5 | 12,900 | 215 |
| 219 |      |       |        | 2.3  | 184.2 | 11,400 | 17.0 | 235.5 | 12,400 | 219 |
| 220 |      |       |        |      |       |        | 16.6 | 232.5 | 12,300 | 220 |
| 227 |      |       |        |      |       |        | 6.0  | 196.2 | 11,400 | 227 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 236 |      |       |        |      |       |        |      |       |        | 236 |
| 240 |      |       |        |      |       |        |      |       |        | 240 |
| 245 |      |       |        |      |       |        |      |       |        | 245 |



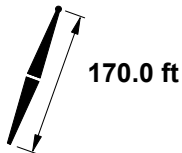
184,600 lb  
+  
44,000 lb



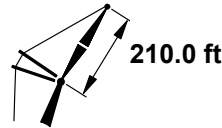
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 63  |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 113 | 68.0 | 360.1 | 34,500 |      |       |        |      |       |        | 113 |
| 115 | 67.3 | 359.3 | 33,600 |      |       |        |      |       |        | 115 |
| 120 | 65.8 | 357.1 | 31,600 |      |       |        |      |       |        | 120 |
| 125 | 64.2 | 354.7 | 29,700 |      |       |        |      |       |        | 125 |
| 130 | 62.6 | 352.1 | 28,000 |      |       |        |      |       |        | 130 |
| 135 | 60.9 | 349.4 | 26,400 |      |       |        |      |       |        | 135 |
| 140 | 59.3 | 346.5 | 24,900 |      |       |        |      |       |        | 140 |
| 143 | 57.8 | 344.6 | 24,100 | 63.0 | 349.5 | 20,400 |      |       |        | 143 |
| 145 | 57.6 | 343.4 | 23,600 | 62.4 | 348.4 | 19,900 |      |       |        | 145 |
| 150 | 55.9 | 340.1 | 22,300 | 60.8 | 345.7 | 18,800 |      |       |        | 150 |
| 155 | 54.1 | 336.5 | 21,200 | 59.1 | 342.8 | 17,700 |      |       |        | 155 |
| 160 | 52.3 | 332.7 | 20,100 | 57.4 | 339.6 | 16,700 |      |       |        | 160 |
| 165 | 50.5 | 328.7 | 19,000 | 55.7 | 336.3 | 15,800 |      |       |        | 165 |
| 170 | 48.6 | 324.4 | 18,100 | 53.9 | 332.7 | 14,900 |      |       |        | 170 |
| 173 | 46.8 | 321.6 | 17,500 | 52.4 | 330.4 | 14,400 | 57.8 | 335.7 | 10,500 | 173 |
| 175 | 46.6 | 319.7 | 17,200 | 52.1 | 328.9 | 14,000 | 57.1 | 334.4 | 10,200 | 175 |
| 180 | 44.6 | 314.8 | 16,300 | 50.3 | 324.8 | 13,200 | 55.4 | 331.0 | 9,500  | 180 |
| 185 | 42.5 | 309.5 | 15,500 | 48.4 | 320.4 | 12,400 | 53.6 | 327.4 | 8,800  | 185 |
| 190 | 40.4 | 303.7 | 14,700 | 46.4 | 315.8 | 11,700 | 51.8 | 323.5 | 8,200  | 190 |
| 195 | 38.1 | 297.5 | 14,000 | 44.4 | 310.8 | 11,000 | 49.9 | 319.4 | 7,600  | 195 |
| 200 | 35.7 | 290.7 | 13,300 | 42.3 | 305.4 | 10,300 | 48.0 | 315.0 | 7,000  | 200 |
| 205 | 33.1 | 283.3 | 12,700 | 40.1 | 299.6 | 9,700  | 46.1 | 310.3 | 6,400  | 205 |
| 210 | 30.3 | 275.1 | 12,100 | 37.8 | 293.4 | 9,100  | 44.0 | 305.2 | 5,900  | 210 |
| 213 | 28.2 | 269.6 | 11,700 | 35.8 | 289.3 | 8,700  | 42.2 | 301.9 | 5,600  | 213 |
| 215 | 27.3 | 265.9 | 11,500 | 35.4 | 286.5 | 8,500  | 41.9 | 299.8 | 5,400  | 215 |
| 219 | 23.8 | 257.4 | 11,000 | 32.6 | 280.5 | 8,100  |      |       |        | 219 |
| 220 | 24.0 | 255.3 | 10,900 | 32.8 | 279.0 | 7,900  |      |       |        | 220 |
| 227 | 17.4 | 235.3 | 10,100 | 27.8 | 266.7 | 7,200  |      |       |        | 227 |
| 230 | 15.3 | 226.7 | 9,800  | 27.0 | 261.4 | 6,900  |      |       |        | 230 |
| 236 | 5.3  | 192.4 | 9,100  | 21.8 | 247.2 | 6,300  |      |       |        | 236 |
| 240 |      |       |        | 19.6 | 237.7 | 5,900  |      |       |        | 240 |
| 245 |      |       |        | 14.7 | 221.1 | 5,500  |      |       |        | 245 |



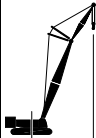
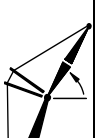
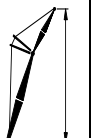
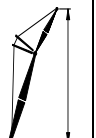
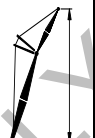
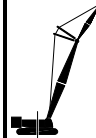
184,600 lb  
+  
44,000 lb



170.0 ft



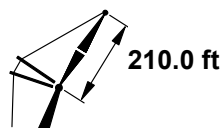
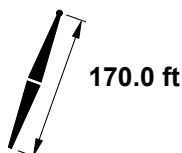
210.0 ft

|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 66                                                                                | 75.8                                                                                  | 381.3                                                                             | 32,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 66                                                                                  |
| 70                                                                                | 74.7                                                                                  | 380.2                                                                             | 31,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 73.2                                                                                  | 378.7                                                                             | 31,600                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 79                                                                                | 71.4                                                                                  | 377.4                                                                             | 31,200                                                                            | 73.8                                                                                  | 378.9                                                                             | 36,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 79                                                                                  |
| 80                                                                                | 71.8                                                                                  | 377.1                                                                             | 31,100                                                                            | 73.5                                                                                  | 378.6                                                                             | 36,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 70.4                                                                                  | 375.3                                                                             | 30,600                                                                            | 72.1                                                                                  | 377.0                                                                             | 36,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 68.9                                                                                  | 373.5                                                                             | 30,100                                                                            | 70.6                                                                                  | 375.3                                                                             | 36,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 67.4                                                                                  | 371.4                                                                             | 29,700                                                                            | 69.2                                                                                  | 373.4                                                                             | 35,800                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 98                                                                                | 65.8                                                                                  | 370.1                                                                             | 29,400                                                                            | 67.8                                                                                  | 372.2                                                                             | 35,500                                                                            | 70.9                                                                                    | 374.6                                                                               | 35,000                                                                              | 98                                                                                  |
| 100                                                                               | 65.9                                                                                  | 369.2                                                                             | 29,200                                                                            | 67.7                                                                                  | 371.4                                                                             | 35,300                                                                            | 70.3                                                                                    | 373.9                                                                               | 35,000                                                                              | 100                                                                                 |
| 105                                                                               | 64.4                                                                                  | 366.9                                                                             | 28,800                                                                            | 66.2                                                                                  | 369.2                                                                             | 34,100                                                                            | 68.8                                                                                    | 372.0                                                                               | 34,900                                                                              | 105                                                                                 |
| 110                                                                               | 62.9                                                                                  | 364.4                                                                             | 27,700                                                                            | 64.7                                                                                  | 366.9                                                                             | 32,800                                                                            | 67.4                                                                                    | 370.0                                                                               | 34,800                                                                              | 110                                                                                 |
| 115                                                                               | 61.4                                                                                  | 361.7                                                                             | 26,500                                                                            | 63.2                                                                                  | 364.4                                                                             | 31,500                                                                            | 65.9                                                                                    | 367.8                                                                               | 34,700                                                                              | 115                                                                                 |
| 117                                                                               | 60.2                                                                                  | 360.5                                                                             | 26,000                                                                            | 62.2                                                                                  | 363.4                                                                             | 31,000                                                                            | 64.6                                                                                    | 366.8                                                                               | 34,400                                                                              | 117                                                                                 |
| 120                                                                               | 59.8                                                                                  | 358.8                                                                             | 25,300                                                                            | 61.6                                                                                  | 361.8                                                                             | 30,200                                                                            | 64.4                                                                                    | 365.4                                                                               | 33,900                                                                              | 120                                                                                 |
| 125                                                                               | 58.2                                                                                  | 355.8                                                                             | 24,100                                                                            | 60.1                                                                                  | 359.0                                                                             | 29,000                                                                            | 62.8                                                                                    | 362.9                                                                               | 31,900                                                                              | 125                                                                                 |
| 130                                                                               | 56.6                                                                                  | 352.5                                                                             | 22,900                                                                            | 58.5                                                                                  | 356.0                                                                             | 27,800                                                                            | 61.3                                                                                    | 360.2                                                                               | 30,100                                                                              | 130                                                                                 |
| 135                                                                               | 54.9                                                                                  | 349.1                                                                             | 21,900                                                                            | 56.9                                                                                  | 352.7                                                                             | 26,600                                                                            | 59.7                                                                                    | 357.3                                                                               | 28,400                                                                              | 135                                                                                 |
| 140                                                                               | 53.2                                                                                  | 345.4                                                                             | 20,900                                                                            | 55.2                                                                                  | 349.3                                                                             | 25,300                                                                            | 58.1                                                                                    | 354.3                                                                               | 26,900                                                                              | 140                                                                                 |
| 145                                                                               | 51.5                                                                                  | 341.5                                                                             | 19,900                                                                            | 53.5                                                                                  | 345.7                                                                             | 24,200                                                                            | 56.5                                                                                    | 351.0                                                                               | 25,400                                                                              | 145                                                                                 |
| 148                                                                               | 49.8                                                                                  | 339.0                                                                             | 19,300                                                                            | 51.8                                                                                  | 343.4                                                                             | 23,600                                                                            | 54.8                                                                                    | 348.9                                                                               | 24,600                                                                              | 148                                                                                 |
| 150                                                                               | 49.7                                                                                  | 337.3                                                                             | 19,000                                                                            | 51.8                                                                                  | 341.8                                                                             | 23,100                                                                            | 54.8                                                                                    | 347.5                                                                               | 24,100                                                                              | 150                                                                                 |
| 155                                                                               | 47.9                                                                                  | 332.9                                                                             | 18,200                                                                            | 50.0                                                                                  | 337.7                                                                             | 22,100                                                                            | 53.1                                                                                    | 343.9                                                                               | 22,900                                                                              | 155                                                                                 |
| 160                                                                               | 46.0                                                                                  | 328.2                                                                             | 17,300                                                                            | 48.2                                                                                  | 333.3                                                                             | 21,100                                                                            | 51.4                                                                                    | 339.9                                                                               | 21,700                                                                              | 160                                                                                 |
| 165                                                                               | 44.1                                                                                  | 323.1                                                                             | 16,600                                                                            | 46.4                                                                                  | 328.7                                                                             | 20,100                                                                            | 49.6                                                                                    | 335.8                                                                               | 20,600                                                                              | 165                                                                                 |
| 170                                                                               | 42.0                                                                                  | 317.7                                                                             | 15,800                                                                            | 44.4                                                                                  | 323.7                                                                             | 19,200                                                                            | 47.8                                                                                    | 331.3                                                                               | 19,600                                                                              | 170                                                                                 |
| 175                                                                               | 40.0                                                                                  | 311.9                                                                             | 15,100                                                                            | 42.4                                                                                  | 318.3                                                                             | 18,300                                                                            | 45.9                                                                                    | 326.6                                                                               | 18,600                                                                              | 175                                                                                 |
| 178                                                                               | 37.8                                                                                  | 308.1                                                                             | 14,700                                                                            | 40.8                                                                                  | 314.9                                                                             | 17,900                                                                            | 43.8                                                                                    | 323.5                                                                               | 18,100                                                                              | 178                                                                                 |
| 180                                                                               | 37.8                                                                                  | 305.6                                                                             | 14,500                                                                            | 40.3                                                                                  | 312.6                                                                             | 17,700                                                                            | 44.0                                                                                    | 321.5                                                                               | 17,700                                                                              | 180                                                                                 |
| 185                                                                               | 35.5                                                                                  | 298.8                                                                             | 13,900                                                                            | 38.2                                                                                  | 306.4                                                                             | 16,900                                                                            | 42.0                                                                                    | 316.1                                                                               | 16,900                                                                              | 185                                                                                 |
| 190                                                                               | 33.0                                                                                  | 291.3                                                                             | 13,400                                                                            | 35.9                                                                                  | 299.7                                                                             | 16,200                                                                            | 39.9                                                                                    | 310.2                                                                               | 16,100                                                                              | 190                                                                                 |
| 195                                                                               | 30.4                                                                                  | 283.1                                                                             | 13,000                                                                            | 33.5                                                                                  | 292.3                                                                             | 15,500                                                                            | 37.7                                                                                    | 303.9                                                                               | 15,300                                                                              | 195                                                                                 |
| 200                                                                               | 27.5                                                                                  | 273.9                                                                             | 12,600                                                                            | 30.9                                                                                  | 284.3                                                                             | 14,900                                                                            | 35.3                                                                                    | 297.1                                                                               | 14,600                                                                              | 200                                                                                 |
| 205                                                                               | 24.4                                                                                  | 263.5                                                                             | 12,200                                                                            | 28.1                                                                                  | 275.3                                                                             | 14,400                                                                            | 32.9                                                                                    | 289.6                                                                               | 13,900                                                                              | 205                                                                                 |
| 210                                                                               | 20.8                                                                                  | 251.2                                                                             | 12,000                                                                            | 25.0                                                                                  | 265.1                                                                             | 13,900                                                                            | 30.3                                                                                    | 281.3                                                                               | 13,200                                                                              | 210                                                                                 |
| 215                                                                               | 16.4                                                                                  | 236.1                                                                             | 11,900                                                                            | 21.5                                                                                  | 253.3                                                                             | 13,700                                                                            | 27.4                                                                                    | 272.1                                                                               | 12,600                                                                              | 215                                                                                 |
| 220                                                                               | 10.3                                                                                  | 214.4                                                                             | 11,500                                                                            | 17.3                                                                                  | 238.8                                                                             | 13,400                                                                            | 24.2                                                                                    | 261.6                                                                               | 12,000                                                                              | 220                                                                                 |
| 223                                                                               | 2.8                                                                                   | 186.8                                                                             | 9,300                                                                             | 13.4                                                                                  | 226.9                                                                             | 12,800                                                                            | 21.6                                                                                    | 254.2                                                                               | 11,600                                                                              | 223                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   | 11.7                                                                                  | 218.9                                                                             | 12,400                                                                            | 20.6                                                                                    | 249.3                                                                               | 11,400                                                                              | 225                                                                                 |
| 229                                                                               |                                                                                       |                                                                                   |                                                                                   | 2.2                                                                                   | 184.3                                                                             | 9,600                                                                             | 16.8                                                                                    | 237.0                                                                               | 10,900                                                                              | 229                                                                                 |
| 230                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 16.2                                                                                    | 233.9                                                                               | 10,800                                                                              | 230                                                                                 |
| 237                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 5.8                                                                                     | 196.7                                                                               | 10,000                                                                              | 237                                                                                 |
| 240                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 240                                                                                 |
| 246                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 246                                                                                 |

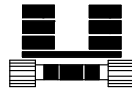




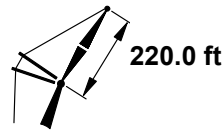
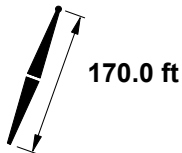
184,600 lb  
+  
44,000 lb

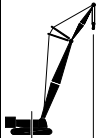
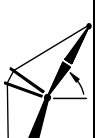
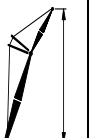
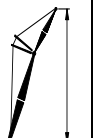
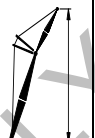
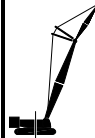


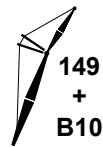
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|-----|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |       |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft    |     |
| 66  |      |       |        |      |       |        |      |       |       | 66  |
| 70  |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |       | 75  |
| 79  |      |       |        |      |       |        |      |       |       | 79  |
| 80  |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |       | 95  |
| 98  |      |       |        |      |       |        |      |       |       | 98  |
| 100 |      |       |        |      |       |        |      |       |       | 100 |
| 105 |      |       |        |      |       |        |      |       |       | 105 |
| 110 |      |       |        |      |       |        |      |       |       | 110 |
| 115 |      |       |        |      |       |        |      |       |       | 115 |
| 117 | 67.9 | 369.3 | 32,300 |      |       |        |      |       |       | 117 |
| 120 | 67.0 | 368.0 | 31,100 |      |       |        |      |       |       | 120 |
| 125 | 65.5 | 365.8 | 29,300 |      |       |        |      |       |       | 125 |
| 130 | 64.0 | 363.4 | 27,600 |      |       |        |      |       |       | 130 |
| 135 | 62.5 | 360.8 | 26,000 |      |       |        |      |       |       | 135 |
| 140 | 60.9 | 358.1 | 24,500 |      |       |        |      |       |       | 140 |
| 145 | 59.3 | 355.2 | 23,200 |      |       |        |      |       |       | 145 |
| 148 | 57.8 | 353.3 | 22,400 | 62.9 | 358.2 | 18,800 |      |       |       | 148 |
| 150 | 57.7 | 352.1 | 21,900 | 62.3 | 357.1 | 18,300 |      |       |       | 150 |
| 155 | 56.1 | 348.8 | 20,800 | 60.7 | 354.4 | 17,200 |      |       |       | 155 |
| 160 | 54.4 | 345.2 | 19,700 | 59.1 | 351.4 | 16,200 |      |       |       | 160 |
| 165 | 52.7 | 341.5 | 18,600 | 57.5 | 348.3 | 15,200 |      |       |       | 165 |
| 170 | 51.0 | 337.5 | 17,700 | 55.9 | 345.0 | 14,300 |      |       |       | 170 |
| 175 | 49.2 | 333.3 | 16,800 | 54.2 | 341.4 | 13,400 |      |       |       | 175 |
| 178 | 47.8 | 330.6 | 16,300 | 52.8 | 339.2 | 12,900 | 57.9 | 344.3 | 9,100 | 178 |
| 180 | 47.3 | 328.8 | 15,900 | 52.5 | 337.7 | 12,600 | 57.2 | 343.1 | 8,800 | 180 |
| 185 | 45.4 | 323.9 | 15,100 | 50.8 | 333.7 | 11,800 | 55.6 | 339.7 | 8,200 | 185 |
| 190 | 43.5 | 318.8 | 14,400 | 49.0 | 329.4 | 11,100 | 53.9 | 336.1 | 7,500 | 190 |
| 195 | 41.5 | 313.3 | 13,700 | 47.1 | 324.8 | 10,400 | 52.2 | 332.3 | 6,900 | 195 |
| 200 | 39.3 | 307.3 | 13,000 | 45.2 | 320.0 | 9,700  | 50.4 | 328.2 | 6,400 | 200 |
| 205 | 37.1 | 300.9 | 12,300 | 43.3 | 314.8 | 9,100  | 48.6 | 323.9 | 5,800 | 205 |
| 210 | 34.8 | 293.9 | 11,700 | 41.2 | 309.2 | 8,500  | 46.8 | 319.3 | 5,300 | 210 |
| 215 | 32.3 | 286.2 | 11,100 | 39.1 | 303.2 | 7,900  |      |       |       | 215 |
| 220 | 29.6 | 277.8 | 10,500 | 36.9 | 296.7 | 7,400  |      |       |       | 220 |
| 223 | 27.2 | 272.1 | 10,200 | 34.8 | 292.5 | 7,100  |      |       |       | 223 |
| 225 | 26.7 | 268.3 | 9,900  | 34.5 | 289.6 | 6,900  |      |       |       | 225 |
| 229 | 23.6 | 259.5 | 9,500  | 31.6 | 283.5 | 6,500  |      |       |       | 229 |
| 230 | 23.4 | 257.4 | 9,300  | 32.0 | 281.9 | 6,400  |      |       |       | 230 |
| 237 | 16.7 | 236.8 | 8,600  | 27.5 | 269.2 | 5,700  |      |       |       | 237 |
| 240 | 14.9 | 228.0 | 8,200  | 26.3 | 263.7 | 5,400  |      |       |       | 240 |
| 246 | 5.2  | 192.8 | 7,600  |      |       |        |      |       |       | 246 |



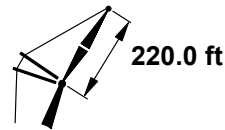
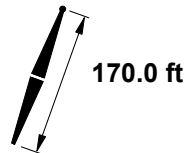
184,600 lb  
+  
44,000 lb



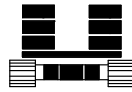
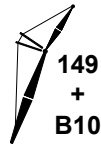
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 69                                                                                   | 76.0                                                                                  | 391.1                                                                                | 29,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 69                                                                                     |
| 70                                                                                   | 75.7                                                                                  | 390.9                                                                                | 29,100                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 74.3                                                                                  | 389.5                                                                                | 28,800                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 73.0                                                                                  | 388.0                                                                                | 28,600                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 80                                                                                     |
| 83                                                                                   | 71.4                                                                                  | 387.0                                                                                | 28,300                                                                               | 73.8                                                                                  | 388.5                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 83                                                                                     |
| 85                                                                                   | 71.6                                                                                  | 386.4                                                                                | 28,200                                                                               | 73.2                                                                                  | 387.9                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 85                                                                                     |
| 90                                                                                   | 70.2                                                                                  | 384.6                                                                                | 27,800                                                                               | 71.9                                                                                  | 386.3                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 90                                                                                     |
| 95                                                                                   | 68.8                                                                                  | 382.7                                                                                | 27,300                                                                               | 70.5                                                                                  | 384.5                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 95                                                                                     |
| 100                                                                                  | 67.4                                                                                  | 380.7                                                                                | 26,900                                                                               | 69.1                                                                                  | 382.7                                                                                | 29,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 100                                                                                    |
| 102                                                                                  | 66.6                                                                                  | 379.8                                                                                | 26,800                                                                               | 68.2                                                                                  | 381.9                                                                                | 29,500                                                                               | 71.0                                                                                    | 384.2                                                                                  | 29,500                                                                                 | 102                                                                                    |
| 105                                                                                  | 66.0                                                                                  | 378.5                                                                                | 26,500                                                                               | 67.7                                                                                  | 380.6                                                                                | 29,500                                                                               | 70.2                                                                                    | 383.1                                                                                  | 29,500                                                                                 | 105                                                                                    |
| 110                                                                                  | 64.6                                                                                  | 376.1                                                                                | 26,100                                                                               | 66.3                                                                                  | 378.5                                                                                | 29,500                                                                               | 68.8                                                                                    | 381.2                                                                                  | 29,500                                                                                 | 110                                                                                    |
| 115                                                                                  | 63.1                                                                                  | 373.6                                                                                | 25,700                                                                               | 64.8                                                                                  | 376.2                                                                                | 29,500                                                                               | 67.4                                                                                    | 379.2                                                                                  | 29,500                                                                                 | 115                                                                                    |
| 120                                                                                  | 61.6                                                                                  | 371.0                                                                                | 24,800                                                                               | 63.4                                                                                  | 373.7                                                                                | 29,400                                                                               | 65.9                                                                                    | 377.0                                                                                  | 29,500                                                                                 | 120                                                                                    |
| 122                                                                                  | 60.6                                                                                  | 369.8                                                                                | 24,400                                                                               | 62.2                                                                                  | 372.7                                                                                | 28,900                                                                               | 64.6                                                                                    | 376.1                                                                                  | 29,500                                                                                 | 122                                                                                    |
| 125                                                                                  | 60.1                                                                                  | 368.2                                                                                | 23,800                                                                               | 61.9                                                                                  | 371.1                                                                                | 28,300                                                                               | 64.5                                                                                    | 374.7                                                                                  | 29,500                                                                                 | 125                                                                                    |
| 130                                                                                  | 58.6                                                                                  | 365.2                                                                                | 22,700                                                                               | 60.4                                                                                  | 368.3                                                                                | 27,200                                                                               | 63.0                                                                                    | 372.2                                                                                  | 29,500                                                                                 | 130                                                                                    |
| 135                                                                                  | 57.1                                                                                  | 362.0                                                                                | 21,700                                                                               | 58.9                                                                                  | 365.3                                                                                | 26,200                                                                               | 61.6                                                                                    | 369.5                                                                                  | 28,100                                                                                 | 135                                                                                    |
| 140                                                                                  | 55.5                                                                                  | 358.6                                                                                | 20,800                                                                               | 57.4                                                                                  | 362.2                                                                                | 25,100                                                                               | 60.1                                                                                    | 366.7                                                                                  | 26,500                                                                                 | 140                                                                                    |
| 145                                                                                  | 53.9                                                                                  | 355.0                                                                                | 19,800                                                                               | 55.8                                                                                  | 358.8                                                                                | 24,000                                                                               | 58.6                                                                                    | 363.7                                                                                  | 25,100                                                                                 | 145                                                                                    |
| 150                                                                                  | 52.3                                                                                  | 351.2                                                                                | 18,900                                                                               | 54.2                                                                                  | 355.3                                                                                | 23,000                                                                               | 57.0                                                                                    | 360.5                                                                                  | 23,700                                                                                 | 150                                                                                    |
| 154                                                                                  | 50.4                                                                                  | 348.0                                                                                | 18,200                                                                               | 52.4                                                                                  | 352.3                                                                                | 22,200                                                                               | 55.4                                                                                    | 357.7                                                                                  | 22,700                                                                                 | 154                                                                                    |
| 155                                                                                  | 50.6                                                                                  | 347.2                                                                                | 18,000                                                                               | 52.6                                                                                  | 351.5                                                                                | 22,000                                                                               | 55.4                                                                                    | 357.1                                                                                  | 22,500                                                                                 | 155                                                                                    |
| 160                                                                                  | 48.9                                                                                  | 342.9                                                                                | 17,300                                                                               | 50.9                                                                                  | 347.5                                                                                | 21,100                                                                               | 53.8                                                                                    | 353.5                                                                                  | 21,300                                                                                 | 160                                                                                    |
| 165                                                                                  | 47.1                                                                                  | 338.3                                                                                | 16,500                                                                               | 49.2                                                                                  | 343.3                                                                                | 20,200                                                                               | 52.2                                                                                    | 349.7                                                                                  | 20,200                                                                                 | 165                                                                                    |
| 170                                                                                  | 45.3                                                                                  | 333.5                                                                                | 15,900                                                                               | 47.5                                                                                  | 338.8                                                                                | 19,300                                                                               | 50.5                                                                                    | 345.6                                                                                  | 19,200                                                                                 | 170                                                                                    |
| 175                                                                                  | 43.4                                                                                  | 328.3                                                                                | 15,100                                                                               | 45.6                                                                                  | 334.0                                                                                | 18,400                                                                               | 48.8                                                                                    | 341.3                                                                                  | 18,300                                                                                 | 175                                                                                    |
| 180                                                                                  | 41.5                                                                                  | 322.8                                                                                | 14,500                                                                               | 43.8                                                                                  | 328.9                                                                                | 17,700                                                                               | 47.0                                                                                    | 336.8                                                                                  | 17,400                                                                                 | 180                                                                                    |
| 185                                                                                  | 39.5                                                                                  | 316.9                                                                                | 13,800                                                                               | 41.9                                                                                  | 323.4                                                                                | 16,900                                                                               | 45.2                                                                                    | 331.9                                                                                  | 16,500                                                                                 | 185                                                                                    |
| 190                                                                                  | 37.4                                                                                  | 310.5                                                                                | 13,300                                                                               | 39.9                                                                                  | 317.6                                                                                | 16,200                                                                               | 43.3                                                                                    | 326.7                                                                                  | 15,700                                                                                 | 190                                                                                    |
| 195                                                                                  | 35.1                                                                                  | 303.6                                                                                | 12,800                                                                               | 37.8                                                                                  | 311.3                                                                                | 15,600                                                                               | 41.4                                                                                    | 321.2                                                                                  | 14,900                                                                                 | 195                                                                                    |
| 200                                                                                  | 32.8                                                                                  | 296.1                                                                                | 12,400                                                                               | 35.6                                                                                  | 304.5                                                                                | 15,000                                                                               | 39.4                                                                                    | 315.2                                                                                  | 14,200                                                                                 | 200                                                                                    |
| 205                                                                                  | 30.3                                                                                  | 287.8                                                                                | 11,900                                                                               | 33.2                                                                                  | 297.1                                                                                | 14,400                                                                               | 37.3                                                                                    | 308.8                                                                                  | 13,500                                                                                 | 205                                                                                    |
| 210                                                                                  | 27.6                                                                                  | 278.6                                                                                | 11,600                                                                               | 30.8                                                                                  | 289.0                                                                                | 13,800                                                                               | 35.0                                                                                    | 301.9                                                                                  | 12,900                                                                                 | 210                                                                                    |
| 215                                                                                  | 24.6                                                                                  | 268.2                                                                                | 11,300                                                                               | 28.1                                                                                  | 280.0                                                                                | 13,400                                                                               | 32.7                                                                                    | 294.3                                                                                  | 12,200                                                                                 | 215                                                                                    |
| 220                                                                                  | 21.2                                                                                  | 256.2                                                                                | 11,100                                                                               | 25.1                                                                                  | 269.9                                                                                | 12,900                                                                               | 30.2                                                                                    | 286.0                                                                                  | 11,600                                                                                 | 220                                                                                    |
| 225                                                                                  | 17.1                                                                                  | 241.5                                                                                | 10,500                                                                               | 21.8                                                                                  | 258.2                                                                                | 11,900                                                                               | 27.4                                                                                    | 276.8                                                                                  | 11,000                                                                                 | 225                                                                                    |
| 230                                                                                  | 11.8                                                                                  | 221.6                                                                                | 9,700                                                                                | 17.9                                                                                  | 244.1                                                                                | 10,900                                                                               | 24.4                                                                                    | 266.4                                                                                  | 10,500                                                                                 | 230                                                                                    |
| 234                                                                                  | 3.6                                                                                   | 190.5                                                                                | 7,900                                                                                | 13.0                                                                                  | 229.2                                                                                | 10,200                                                                               | 20.8                                                                                    | 256.6                                                                                  | 10,100                                                                                 | 234                                                                                    |
| 235                                                                                  |                                                                                       |                                                                                      |                                                                                      | 12.9                                                                                  | 225.5                                                                                | 10,100                                                                               | 21.0                                                                                    | 254.2                                                                                  | 10,000                                                                                 | 235                                                                                    |
| 240                                                                                  |                                                                                       |                                                                                      |                                                                                      | 3.2                                                                                   | 188.6                                                                                | 8,300                                                                                | 16.9                                                                                    | 239.3                                                                                  | 9,400                                                                                  | 240                                                                                    |
| 249                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 2.3                                                                                     | 184.0                                                                                  | 8,400                                                                                  | 249                                                                                    |
| 250                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 250                                                                                    |
| 257                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 257                                                                                    |



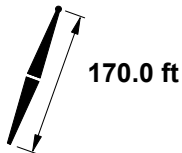
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+  
44,000 lb



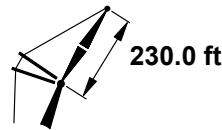
|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 69  |      |       |        |      |       |        | 69  |
| 70  |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 83  |      |       |        |      |       |        | 83  |
| 85  |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 102 |      |       |        |      |       |        | 102 |
| 105 |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 122 | 67.9 | 378.5 | 29,500 |      |       |        | 122 |
| 125 | 67.0 | 377.2 | 28,900 |      |       |        | 125 |
| 130 | 65.6 | 375.0 | 27,200 |      |       |        | 130 |
| 135 | 64.2 | 372.6 | 25,600 |      |       |        | 135 |
| 140 | 62.7 | 370.1 | 24,100 |      |       |        | 140 |
| 145 | 61.2 | 367.4 | 22,800 |      |       |        | 145 |
| 150 | 59.7 | 364.5 | 21,500 |      |       |        | 150 |
| 154 | 58.2 | 362.1 | 20,600 | 62.8 | 366.9 | 16,700 | 154 |
| 155 | 58.2 | 361.5 | 20,400 | 62.5 | 366.4 | 16,500 | 155 |
| 160 | 56.6 | 358.2 | 19,300 | 61.0 | 363.7 | 15,500 | 160 |
| 165 | 55.1 | 354.8 | 18,200 | 59.5 | 360.8 | 14,500 | 165 |
| 170 | 53.4 | 351.1 | 17,300 | 58.0 | 357.7 | 13,600 | 170 |
| 175 | 51.8 | 347.3 | 16,400 | 56.5 | 354.4 | 12,700 | 175 |
| 180 | 50.1 | 343.2 | 15,500 | 54.9 | 351.0 | 11,900 | 180 |
| 185 | 48.4 | 338.8 | 14,700 | 53.3 | 347.3 | 11,100 | 185 |
| 190 | 46.6 | 334.2 | 14,000 | 51.6 | 343.4 | 10,400 | 190 |
| 195 | 44.8 | 329.2 | 13,300 | 49.9 | 339.3 | 9,700  | 195 |
| 200 | 42.9 | 324.0 | 12,600 | 48.2 | 334.9 | 9,100  | 200 |
| 205 | 40.9 | 318.3 | 11,900 | 46.4 | 330.2 | 8,400  | 205 |
| 210 | 38.9 | 312.3 | 11,200 | 44.6 | 325.3 | 7,800  | 210 |
| 215 | 36.7 | 305.7 | 10,600 | 42.7 | 319.9 | 7,300  | 215 |
| 220 | 34.5 | 298.7 | 9,900  | 40.7 | 314.3 | 6,700  | 220 |
| 225 | 32.1 | 291.0 | 9,300  | 38.6 | 308.2 | 6,200  | 225 |
| 230 | 29.5 | 282.5 | 8,800  | 36.5 | 301.6 | 5,700  | 230 |
| 234 | 26.6 | 274.9 | 8,300  | 34.4 | 295.9 | 5,300  | 234 |
| 235 | 26.7 | 273.0 | 8,200  | 34.2 | 294.4 | 5,200  | 235 |
| 240 | 23.6 | 262.2 | 7,700  |      |       |        | 240 |
| 249 | 15.8 | 236.5 | 6,800  |      |       |        | 249 |
| 250 | 15.7 | 233.7 | 6,700  |      |       |        | 250 |
| 257 | 5.5  | 195.2 | 6,000  |      |       |        | 257 |



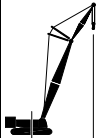
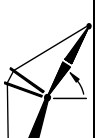
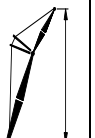
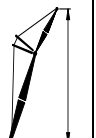
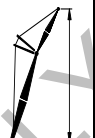
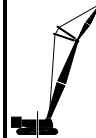
184,600 lb  
+  
44,000 lb



170.0 ft

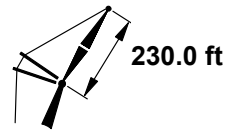
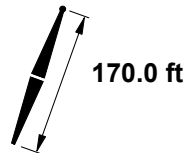


230.0 ft

|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 72                                                                                | 75.8                                                                                  | 400.7                                                                             | 27,000                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 72                                                                                  |
| 75                                                                                | 75.0                                                                                  | 399.9                                                                             | 26,800                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 73.7                                                                                  | 398.4                                                                             | 26,400                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 72.4                                                                                  | 396.9                                                                             | 26,000                                                                            | 74.0                                                                                  | 398.3                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 90                                                                                | 71.1                                                                                  | 395.2                                                                             | 25,600                                                                            | 72.7                                                                                  | 396.8                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 69.8                                                                                  | 393.4                                                                             | 25,200                                                                            | 71.4                                                                                  | 395.1                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 68.5                                                                                  | 391.5                                                                             | 24,800                                                                            | 70.0                                                                                  | 393.4                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 105                                                                               | 67.1                                                                                  | 389.4                                                                             | 24,400                                                                            | 68.7                                                                                  | 391.4                                                                             | 29,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 105                                                                                 |
| 106                                                                               | 66.6                                                                                  | 388.9                                                                             | 24,300                                                                            | 67.8                                                                                  | 391.0                                                                             | 29,500                                                                            | 70.8                                                                                    | 393.4                                                                               | 29,500                                                                              | 106                                                                                 |
| 110                                                                               | 65.8                                                                                  | 387.2                                                                             | 24,000                                                                            | 67.4                                                                                  | 389.4                                                                             | 29,500                                                                            | 69.7                                                                                    | 392.0                                                                               | 29,400                                                                              | 110                                                                                 |
| 115                                                                               | 64.4                                                                                  | 384.8                                                                             | 23,700                                                                            | 66.0                                                                                  | 387.2                                                                             | 28,600                                                                            | 68.4                                                                                    | 390.0                                                                               | 29,300                                                                              | 115                                                                                 |
| 120                                                                               | 63.0                                                                                  | 382.3                                                                             | 23,300                                                                            | 64.6                                                                                  | 384.9                                                                             | 27,700                                                                            | 67.1                                                                                    | 387.9                                                                               | 29,200                                                                              | 120                                                                                 |
| 125                                                                               | 61.6                                                                                  | 379.6                                                                             | 22,600                                                                            | 63.2                                                                                  | 382.4                                                                             | 26,700                                                                            | 65.7                                                                                    | 385.7                                                                               | 29,100                                                                              | 125                                                                                 |
| 126                                                                               | 60.8                                                                                  | 379.1                                                                             | 22,400                                                                            | 62.6                                                                                  | 381.9                                                                             | 26,500                                                                            | 64.8                                                                                    | 385.2                                                                               | 29,100                                                                              | 126                                                                                 |
| 130                                                                               | 60.1                                                                                  | 376.8                                                                             | 21,600                                                                            | 61.8                                                                                  | 379.8                                                                             | 25,700                                                                            | 64.3                                                                                    | 383.3                                                                               | 29,000                                                                              | 130                                                                                 |
| 135                                                                               | 58.7                                                                                  | 373.8                                                                             | 20,700                                                                            | 60.4                                                                                  | 377.0                                                                             | 24,800                                                                            | 62.9                                                                                    | 380.8                                                                               | 27,700                                                                              | 135                                                                                 |
| 140                                                                               | 57.2                                                                                  | 370.7                                                                             | 19,800                                                                            | 59.0                                                                                  | 374.0                                                                             | 23,800                                                                            | 61.5                                                                                    | 378.2                                                                               | 26,200                                                                              | 140                                                                                 |
| 145                                                                               | 55.7                                                                                  | 367.3                                                                             | 19,000                                                                            | 57.5                                                                                  | 370.9                                                                             | 22,900                                                                            | 60.1                                                                                    | 375.3                                                                               | 24,800                                                                              | 145                                                                                 |
| 150                                                                               | 54.2                                                                                  | 363.7                                                                             | 18,200                                                                            | 56.0                                                                                  | 367.5                                                                             | 22,000                                                                            | 58.6                                                                                    | 372.3                                                                               | 23,400                                                                              | 150                                                                                 |
| 155                                                                               | 52.6                                                                                  | 360.0                                                                             | 17,400                                                                            | 54.5                                                                                  | 364.0                                                                             | 21,100                                                                            | 57.1                                                                                    | 369.1                                                                               | 22,200                                                                              | 155                                                                                 |
| 158                                                                               | 51.4                                                                                  | 357.6                                                                             | 16,900                                                                            | 52.8                                                                                  | 361.8                                                                             | 20,500                                                                            | 55.8                                                                                    | 367.1                                                                               | 21,500                                                                              | 158                                                                                 |
| 160                                                                               | 51.0                                                                                  | 356.0                                                                             | 16,600                                                                            | 52.9                                                                                  | 360.3                                                                             | 20,200                                                                            | 55.6                                                                                    | 365.8                                                                               | 21,000                                                                              | 160                                                                                 |
| 165                                                                               | 49.4                                                                                  | 351.8                                                                             | 15,900                                                                            | 51.3                                                                                  | 356.4                                                                             | 19,400                                                                            | 54.1                                                                                    | 362.2                                                                               | 19,900                                                                              | 165                                                                                 |
| 170                                                                               | 47.7                                                                                  | 347.3                                                                             | 15,200                                                                            | 49.7                                                                                  | 352.2                                                                             | 18,600                                                                            | 52.6                                                                                    | 358.5                                                                               | 18,900                                                                              | 170                                                                                 |
| 175                                                                               | 46.0                                                                                  | 342.6                                                                             | 14,600                                                                            | 48.0                                                                                  | 347.8                                                                             | 17,900                                                                            | 51.0                                                                                    | 354.5                                                                               | 18,000                                                                              | 175                                                                                 |
| 180                                                                               | 44.3                                                                                  | 337.6                                                                             | 14,000                                                                            | 46.3                                                                                  | 343.1                                                                             | 17,100                                                                            | 49.3                                                                                    | 350.2                                                                               | 17,100                                                                              | 180                                                                                 |
| 185                                                                               | 42.4                                                                                  | 332.2                                                                             | 13,400                                                                            | 44.6                                                                                  | 338.1                                                                             | 16,400                                                                            | 47.7                                                                                    | 345.8                                                                               | 16,200                                                                              | 185                                                                                 |
| 190                                                                               | 40.5                                                                                  | 326.5                                                                             | 12,900                                                                            | 42.8                                                                                  | 332.8                                                                             | 15,700                                                                            | 45.9                                                                                    | 341.0                                                                               | 15,400                                                                              | 190                                                                                 |
| 195                                                                               | 38.6                                                                                  | 320.4                                                                             | 12,400                                                                            | 40.9                                                                                  | 327.2                                                                             | 15,100                                                                            | 44.2                                                                                    | 336.0                                                                               | 14,600                                                                              | 195                                                                                 |
| 200                                                                               | 36.5                                                                                  | 313.8                                                                             | 12,000                                                                            | 38.9                                                                                  | 321.1                                                                             | 14,500                                                                            | 42.3                                                                                    | 330.6                                                                               | 13,900                                                                              | 200                                                                                 |
| 205                                                                               | 34.3                                                                                  | 306.7                                                                             | 11,500                                                                            | 36.9                                                                                  | 314.6                                                                             | 13,900                                                                            | 40.4                                                                                    | 324.9                                                                               | 13,200                                                                              | 205                                                                                 |
| 210                                                                               | 32.0                                                                                  | 298.9                                                                             | 11,100                                                                            | 34.7                                                                                  | 307.6                                                                             | 13,400                                                                            | 38.5                                                                                    | 318.7                                                                               | 12,600                                                                              | 210                                                                                 |
| 215                                                                               | 29.6                                                                                  | 290.4                                                                             | 10,800                                                                            | 32.5                                                                                  | 300.0                                                                             | 12,900                                                                            | 36.4                                                                                    | 312.1                                                                               | 11,900                                                                              | 215                                                                                 |
| 220                                                                               | 26.9                                                                                  | 281.0                                                                             | 10,500                                                                            | 30.1                                                                                  | 291.7                                                                             | 12,500                                                                            | 34.2                                                                                    | 305.0                                                                               | 11,300                                                                              | 220                                                                                 |
| 225                                                                               | 24.0                                                                                  | 270.4                                                                             | 10,300                                                                            | 27.4                                                                                  | 282.4                                                                             | 12,100                                                                            | 31.9                                                                                    | 297.2                                                                               | 10,800                                                                              | 225                                                                                 |
| 230                                                                               | 20.7                                                                                  | 258.0                                                                             | 9,900                                                                             | 24.6                                                                                  | 272.0                                                                             | 11,600                                                                            | 29.5                                                                                    | 288.7                                                                               | 10,200                                                                              | 230                                                                                 |
| 235                                                                               | 16.7                                                                                  | 242.9                                                                             | 9,300                                                                             | 21.3                                                                                  | 260.0                                                                             | 11,000                                                                            | 26.8                                                                                    | 279.2                                                                               | 9,600                                                                               | 235                                                                                 |
| 240                                                                               | 11.5                                                                                  | 222.5                                                                             | 8,600                                                                             | 17.5                                                                                  | 245.6                                                                             | 10,400                                                                            | 23.9                                                                                    | 268.5                                                                               | 9,100                                                                               | 240                                                                                 |
| 244                                                                               | 3.5                                                                                   | 190.7                                                                             | 6,400                                                                             | 13.0                                                                                  | 230.4                                                                             | 9,500                                                                             | 20.6                                                                                    | 258.5                                                                               | 8,600                                                                               | 244                                                                                 |
| 245                                                                               |                                                                                       |                                                                                   |                                                                                   | 12.6                                                                                  | 226.6                                                                             | 9,300                                                                             | 20.5                                                                                    | 256.0                                                                               | 8,500                                                                               | 245                                                                                 |
| 250                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                   | 188.8                                                                             | 6,800                                                                             | 16.5                                                                                    | 240.8                                                                               | 8,000                                                                               | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 11.2                                                                                    | 220.0                                                                               | 7,500                                                                               | 255                                                                                 |
| 259                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.2                                                                                     | 184.1                                                                               | 7,000                                                                               | 259                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 260                                                                                 |



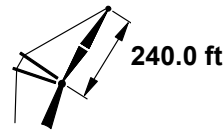
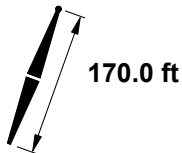
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+  
44,000 lb

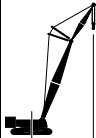
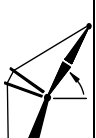
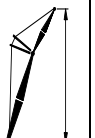
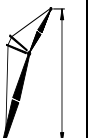


|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | lb    | ft     | ft  |
| 72  |      |       |        |      |       |        | 72  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        | 105 |
| 106 |      |       |        |      |       |        | 106 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 125 |      |       |        |      |       |        | 125 |
| 126 | 67.8 | 387.7 | 28,200 |      |       |        | 126 |
| 130 | 66.7 | 386.0 | 26,800 |      |       |        | 130 |
| 135 | 65.4 | 383.7 | 25,300 |      |       |        | 135 |
| 140 | 64.0 | 381.3 | 23,800 |      |       |        | 140 |
| 145 | 62.6 | 378.8 | 22,500 |      |       |        | 145 |
| 150 | 61.2 | 376.1 | 21,200 |      |       |        | 150 |
| 155 | 59.7 | 373.2 | 20,000 |      |       |        | 155 |
| 158 | 58.4 | 371.3 | 19,400 | 63.0 | 376.1 | 15,400 | 158 |
| 160 | 58.3 | 370.1 | 18,900 | 62.4 | 375.1 | 14,900 | 160 |
| 165 | 56.8 | 366.9 | 17,900 | 61.0 | 372.3 | 14,000 | 165 |
| 170 | 55.3 | 363.5 | 17,000 | 59.6 | 369.4 | 13,100 | 170 |
| 175 | 53.7 | 359.9 | 16,100 | 58.1 | 366.4 | 12,200 | 175 |
| 180 | 52.2 | 356.1 | 15,200 | 56.6 | 363.1 | 11,400 | 180 |
| 185 | 50.6 | 352.0 | 14,400 | 55.1 | 359.7 | 10,700 | 185 |
| 190 | 48.9 | 347.7 | 13,600 | 53.6 | 356.1 | 9,900  | 190 |
| 195 | 47.2 | 343.2 | 12,900 | 52.0 | 352.2 | 9,200  | 195 |
| 200 | 45.5 | 338.4 | 12,100 | 50.4 | 348.2 | 8,600  | 200 |
| 205 | 43.7 | 333.3 | 11,400 | 48.7 | 343.8 | 8,000  | 205 |
| 210 | 41.9 | 327.8 | 10,700 | 47.1 | 339.3 | 7,400  | 210 |
| 215 | 40.0 | 322.0 | 10,100 | 45.3 | 334.4 | 6,800  | 215 |
| 220 | 38.0 | 315.7 | 9,500  | 43.5 | 329.3 | 6,300  | 220 |
| 225 | 35.9 | 309.0 | 8,900  | 41.7 | 323.8 | 5,800  | 225 |
| 230 | 33.7 | 301.7 | 8,300  | 39.8 | 317.9 | 5,300  | 230 |
| 235 | 31.4 | 293.8 | 7,800  |      |       |        | 235 |
| 240 | 28.8 | 285.0 | 7,300  |      |       |        | 240 |
| 244 | 26.4 | 277.2 | 6,900  |      |       |        | 244 |
| 245 | 26.1 | 275.3 | 6,800  |      |       |        | 245 |
| 250 | 23.1 | 264.2 | 6,300  |      |       |        | 250 |
| 255 | 19.6 | 251.2 | 5,800  |      |       |        | 255 |
| 259 | 15.8 | 238.2 | 5,500  |      |       |        | 259 |
| 260 | 15.4 | 235.0 | 5,400  |      |       |        | 260 |



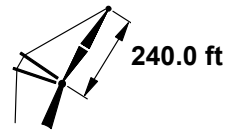
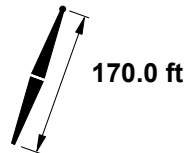
184,600 lb  
+  
44,000 lb



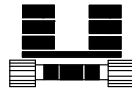
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 74                                                                                | 75.9                                                                                  | 410.5                                                                             | 24,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 74                                                                                  |
| 75                                                                                | 75.7                                                                                  | 410.2                                                                             | 24,700                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 74.4                                                                                  | 408.9                                                                             | 24,500                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 73.2                                                                                  | 407.4                                                                             | 24,200                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 88                                                                                | 71.8                                                                                  | 406.4                                                                             | 24,000                                                                            | 73.9                                                                                  | 407.9                                                                             | 28,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 88                                                                                  |
| 90                                                                                | 71.9                                                                                  | 405.8                                                                             | 23,800                                                                            | 73.4                                                                                  | 407.3                                                                             | 27,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 90                                                                                  |
| 95                                                                                | 70.7                                                                                  | 404.1                                                                             | 23,500                                                                            | 72.2                                                                                  | 405.7                                                                             | 27,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 95                                                                                  |
| 100                                                                               | 69.4                                                                                  | 402.2                                                                             | 23,100                                                                            | 70.9                                                                                  | 404.0                                                                             | 27,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 100                                                                                 |
| 105                                                                               | 68.1                                                                                  | 400.2                                                                             | 22,700                                                                            | 69.6                                                                                  | 402.2                                                                             | 27,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 105                                                                                 |
| 109                                                                               | 66.4                                                                                  | 398.5                                                                             | 22,500                                                                            | 68.2                                                                                  | 400.6                                                                             | 27,200                                                                            | 70.9                                                                                    | 403.0                                                                               | 26,800                                                                              | 109                                                                                 |
| 110                                                                               | 66.8                                                                                  | 398.1                                                                             | 22,400                                                                            | 68.4                                                                                  | 400.2                                                                             | 27,100                                                                            | 70.6                                                                                    | 402.6                                                                               | 26,800                                                                              | 110                                                                                 |
| 115                                                                               | 65.5                                                                                  | 395.9                                                                             | 22,100                                                                            | 67.1                                                                                  | 398.1                                                                             | 26,900                                                                            | 69.3                                                                                    | 400.8                                                                               | 26,700                                                                              | 115                                                                                 |
| 120                                                                               | 64.2                                                                                  | 393.5                                                                             | 21,700                                                                            | 65.8                                                                                  | 395.9                                                                             | 26,200                                                                            | 68.1                                                                                    | 398.8                                                                               | 26,600                                                                              | 120                                                                                 |
| 125                                                                               | 62.9                                                                                  | 391.0                                                                             | 21,400                                                                            | 64.4                                                                                  | 393.6                                                                             | 25,400                                                                            | 66.8                                                                                    | 396.7                                                                               | 26,500                                                                              | 125                                                                                 |
| 129                                                                               | 61.2                                                                                  | 388.8                                                                             | 20,900                                                                            | 63.2                                                                                  | 391.6                                                                             | 24,700                                                                            | 65.2                                                                                    | 394.9                                                                               | 26,400                                                                              | 129                                                                                 |
| 130                                                                               | 61.5                                                                                  | 388.3                                                                             | 20,700                                                                            | 63.1                                                                                  | 391.1                                                                             | 24,500                                                                            | 65.5                                                                                    | 394.4                                                                               | 26,400                                                                              | 130                                                                                 |
| 135                                                                               | 60.1                                                                                  | 385.5                                                                             | 19,900                                                                            | 61.8                                                                                  | 388.4                                                                             | 23,700                                                                            | 64.1                                                                                    | 392.0                                                                               | 26,200                                                                              | 135                                                                                 |
| 140                                                                               | 58.7                                                                                  | 382.5                                                                             | 19,100                                                                            | 60.4                                                                                  | 385.6                                                                             | 22,800                                                                            | 62.8                                                                                    | 389.5                                                                               | 25,700                                                                              | 140                                                                                 |
| 145                                                                               | 57.3                                                                                  | 379.3                                                                             | 18,300                                                                            | 59.0                                                                                  | 382.7                                                                             | 22,000                                                                            | 61.4                                                                                    | 386.8                                                                               | 24,300                                                                              | 145                                                                                 |
| 150                                                                               | 55.9                                                                                  | 376.0                                                                             | 17,500                                                                            | 57.6                                                                                  | 379.5                                                                             | 21,100                                                                            | 60.1                                                                                    | 384.0                                                                               | 23,000                                                                              | 150                                                                                 |
| 155                                                                               | 54.4                                                                                  | 372.5                                                                             | 16,800                                                                            | 56.2                                                                                  | 376.2                                                                             | 20,300                                                                            | 58.7                                                                                    | 381.0                                                                               | 21,700                                                                              | 155                                                                                 |
| 160                                                                               | 52.9                                                                                  | 368.8                                                                             | 16,100                                                                            | 54.7                                                                                  | 372.8                                                                             | 19,600                                                                            | 57.3                                                                                    | 377.8                                                                               | 20,600                                                                              | 160                                                                                 |
| 163                                                                               | 51.4                                                                                  | 366.4                                                                             | 15,700                                                                            | 53.4                                                                                  | 370.5                                                                             | 19,100                                                                            | 55.8                                                                                    | 375.8                                                                               | 19,900                                                                              | 163                                                                                 |
| 165                                                                               | 51.4                                                                                  | 364.8                                                                             | 15,400                                                                            | 53.2                                                                                  | 369.1                                                                             | 18,800                                                                            | 55.8                                                                                    | 374.5                                                                               | 19,500                                                                              | 165                                                                                 |
| 170                                                                               | 49.9                                                                                  | 360.7                                                                             | 14,800                                                                            | 51.7                                                                                  | 365.2                                                                             | 18,000                                                                            | 54.4                                                                                    | 370.9                                                                               | 18,500                                                                              | 170                                                                                 |
| 175                                                                               | 48.3                                                                                  | 356.3                                                                             | 14,200                                                                            | 50.2                                                                                  | 361.1                                                                             | 17,300                                                                            | 52.9                                                                                    | 367.2                                                                               | 17,500                                                                              | 175                                                                                 |
| 180                                                                               | 46.7                                                                                  | 351.7                                                                             | 13,600                                                                            | 48.6                                                                                  | 356.7                                                                             | 16,700                                                                            | 51.4                                                                                    | 363.3                                                                               | 16,600                                                                              | 180                                                                                 |
| 185                                                                               | 45.0                                                                                  | 346.8                                                                             | 13,000                                                                            | 47.0                                                                                  | 352.2                                                                             | 16,000                                                                            | 49.8                                                                                    | 359.1                                                                               | 15,800                                                                              | 185                                                                                 |
| 190                                                                               | 43.3                                                                                  | 341.6                                                                             | 12,500                                                                            | 45.3                                                                                  | 347.3                                                                             | 15,400                                                                            | 48.2                                                                                    | 354.7                                                                               | 15,000                                                                              | 190                                                                                 |
| 195                                                                               | 41.5                                                                                  | 336.0                                                                             | 12,000                                                                            | 43.6                                                                                  | 342.1                                                                             | 14,700                                                                            | 46.6                                                                                    | 350.1                                                                               | 14,200                                                                              | 195                                                                                 |
| 200                                                                               | 39.6                                                                                  | 330.1                                                                             | 11,600                                                                            | 41.8                                                                                  | 336.7                                                                             | 14,100                                                                            | 44.9                                                                                    | 345.2                                                                               | 13,500                                                                              | 200                                                                                 |
| 205                                                                               | 37.7                                                                                  | 323.8                                                                             | 11,100                                                                            | 40.0                                                                                  | 330.8                                                                             | 13,600                                                                            | 43.2                                                                                    | 339.9                                                                               | 12,800                                                                              | 205                                                                                 |
| 210                                                                               | 35.7                                                                                  | 317.0                                                                             | 10,700                                                                            | 38.1                                                                                  | 324.6                                                                             | 13,000                                                                            | 41.4                                                                                    | 334.4                                                                               | 12,100                                                                              | 210                                                                                 |
| 215                                                                               | 33.6                                                                                  | 309.7                                                                             | 10,400                                                                            | 36.1                                                                                  | 317.9                                                                             | 12,600                                                                            | 39.6                                                                                    | 328.5                                                                               | 11,500                                                                              | 215                                                                                 |
| 220                                                                               | 31.3                                                                                  | 301.7                                                                             | 10,100                                                                            | 34.0                                                                                  | 310.7                                                                             | 12,200                                                                            | 37.6                                                                                    | 322.1                                                                               | 10,800                                                                              | 220                                                                                 |
| 225                                                                               | 28.9                                                                                  | 293.0                                                                             | 9,700                                                                             | 31.8                                                                                  | 302.9                                                                             | 11,700                                                                            | 35.6                                                                                    | 315.3                                                                               | 10,200                                                                              | 225                                                                                 |
| 230                                                                               | 26.3                                                                                  | 283.3                                                                             | 9,400                                                                             | 29.4                                                                                  | 294.3                                                                             | 11,100                                                                            | 33.5                                                                                    | 308.0                                                                               | 9,600                                                                               | 230                                                                                 |
| 235                                                                               | 23.5                                                                                  | 272.4                                                                             | 8,800                                                                             | 26.8                                                                                  | 284.8                                                                             | 10,500                                                                            | 31.2                                                                                    | 300.0                                                                               | 9,000                                                                               | 235                                                                                 |
| 240                                                                               | 20.2                                                                                  | 259.8                                                                             | 8,200                                                                             | 24.0                                                                                  | 274.2                                                                             | 9,900                                                                             | 28.8                                                                                    | 291.2                                                                               | 8,500                                                                               | 240                                                                                 |
| 245                                                                               | 16.4                                                                                  | 244.4                                                                             | 7,700                                                                             | 20.9                                                                                  | 261.9                                                                             | 9,300                                                                             | 26.2                                                                                    | 281.5                                                                               | 7,900                                                                               | 245                                                                                 |
| 250                                                                               | 11.2                                                                                  | 223.5                                                                             | 6,900                                                                             | 17.1                                                                                  | 247.1                                                                             | 8,700                                                                             | 23.3                                                                                    | 270.5                                                                               | 7,400                                                                               | 250                                                                                 |
| 255                                                                               |                                                                                       |                                                                                   |                                                                                   | 12.3                                                                                  | 227.7                                                                             | 7,600                                                                             | 20.1                                                                                    | 257.8                                                                               | 6,900                                                                               | 255                                                                                 |
| 260                                                                               |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                   | 189.1                                                                             | 5,200                                                                             | 16.2                                                                                    | 242.2                                                                               | 6,400                                                                               | 260                                                                                 |
| 269                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 2.1                                                                                     | 184.3                                                                               | 5,500                                                                               | 269                                                                                 |



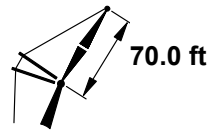
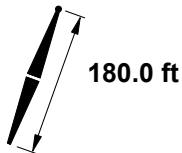
184,600 lb  
+  
44,000 lb

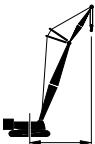
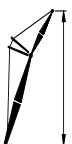
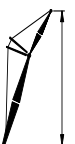
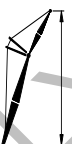
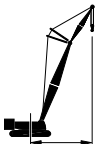


|     | 80°  |       |        | 75°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|-----|
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 74  |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        | 85  |
| 88  |      |       |        |      |       |        | 88  |
| 90  |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        | 105 |
| 109 |      |       |        |      |       |        | 109 |
| 110 |      |       |        |      |       |        | 110 |
| 115 |      |       |        |      |       |        | 115 |
| 120 |      |       |        |      |       |        | 120 |
| 125 |      |       |        |      |       |        | 125 |
| 129 | 68.0 | 397.3 | 26,600 |      |       |        | 129 |
| 130 | 67.7 | 396.8 | 26,300 |      |       |        | 130 |
| 135 | 66.4 | 394.7 | 24,700 |      |       |        | 135 |
| 140 | 65.1 | 392.4 | 23,300 |      |       |        | 140 |
| 145 | 63.8 | 390.0 | 22,000 |      |       |        | 145 |
| 150 | 62.5 | 387.4 | 20,700 |      |       |        | 150 |
| 155 | 61.1 | 384.7 | 19,500 |      |       |        | 155 |
| 160 | 59.7 | 381.8 | 18,500 |      |       |        | 160 |
| 163 | 58.4 | 380.0 | 17,800 | 62.9 | 384.8 | 13,600 | 163 |
| 165 | 58.3 | 378.8 | 17,400 | 62.3 | 383.7 | 13,200 | 165 |
| 170 | 56.9 | 375.6 | 16,500 | 61.0 | 381.0 | 12,300 | 170 |
| 175 | 55.5 | 372.2 | 15,500 | 59.6 | 378.1 | 11,400 | 175 |
| 180 | 54.0 | 368.6 | 14,600 | 58.2 | 375.0 | 10,600 | 180 |
| 185 | 52.5 | 364.9 | 13,800 | 56.8 | 371.8 | 9,900  | 185 |
| 190 | 51.0 | 360.9 | 12,900 | 55.3 | 368.4 | 9,200  | 190 |
| 195 | 49.4 | 356.7 | 12,200 | 53.8 | 364.8 | 8,500  | 195 |
| 200 | 47.8 | 352.2 | 11,400 | 52.3 | 361.0 | 7,900  | 200 |
| 205 | 46.2 | 347.5 | 10,700 | 50.8 | 357.0 | 7,200  | 205 |
| 210 | 44.5 | 342.5 | 10,100 | 49.2 | 352.8 | 6,700  | 210 |
| 215 | 42.8 | 337.2 | 9,400  | 47.6 | 348.3 | 6,100  | 215 |
| 220 | 41.0 | 331.6 | 8,800  | 46.0 | 343.5 | 5,600  | 220 |
| 225 | 39.1 | 325.5 | 8,200  | 44.3 | 338.5 | 5,100  | 225 |
| 230 | 37.1 | 319.1 | 7,700  |      |       |        | 230 |
| 235 | 35.1 | 312.2 | 7,200  |      |       |        | 235 |
| 240 | 33.0 | 304.7 | 6,600  |      |       |        | 240 |
| 245 | 30.7 | 296.5 | 6,100  |      |       |        | 245 |
| 250 | 28.2 | 287.5 | 5,700  |      |       |        | 250 |
| 255 | 25.5 | 277.5 | 5,200  |      |       |        | 255 |
| 260 |      |       |        |      |       |        | 260 |
| 269 |      |       |        |      |       |        | 269 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 34                                                                                   | 74.1                                                                                  | 255.0                                                                                | 98,000 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 34                                                                                     |
| 36                                                                                   | 72.3                                                                                  | 254.3                                                                                | 96,600 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 36                                                                                     |
| 38                                                                                   | 70.6                                                                                  | 253.6                                                                                | 95,300 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 38                                                                                     |
| 40                                                                                   | 68.8                                                                                  | 252.8                                                                                | 93,900 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 41                                                                                   | 67.2                                                                                  | 252.4                                                                                | 93,200 <b>d</b>                                                                      | 73.4                                                                                  | 254.3                                                                                | 113,300 <b>d</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 41                                                                                     |
| 45                                                                                   | 64.4                                                                                  | 250.5                                                                                | 90,500 <b>b</b>                                                                      | 70.0                                                                                  | 252.9                                                                                | 110,600 <b>d</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 50                                                                                   | 59.7                                                                                  | 247.8                                                                                | 87,300 <b>b</b>                                                                      | 65.5                                                                                  | 250.8                                                                                | 107,000 <b>b</b>                                                                     |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 54                                                                                   | 55.0                                                                                  | 245.1                                                                                | 85,000 <b>b</b>                                                                      | 61.0                                                                                  | 248.6                                                                                | 103,200 <b>b</b>                                                                     | 70.3                                                                                    | 252.0                                                                                  | 107,900 <b>d</b>                                                                       | 54                                                                                     |
| 55                                                                                   | 54.7                                                                                  | 244.4                                                                                | 84,500                                                                               | 60.9                                                                                  | 248.1                                                                                | 102,300 <b>b</b>                                                                     | 69.4                                                                                    | 251.6                                                                                  | 105,300 <b>d</b>                                                                       | 55                                                                                     |
| 60                                                                                   | 49.5                                                                                  | 240.4                                                                                | 81,500                                                                               | 56.0                                                                                  | 244.9                                                                                | 96,800                                                                               | 64.9                                                                                    | 249.4                                                                                  | 94,100 <b>b</b>                                                                        | 60                                                                                     |
| 65                                                                                   | 43.7                                                                                  | 235.5                                                                                | 75,200                                                                               | 50.9                                                                                  | 241.1                                                                                | 89,800                                                                               | 60.3                                                                                    | 246.7                                                                                  | 84,900 <b>b</b>                                                                        | 65                                                                                     |
| 66                                                                                   | 41.8                                                                                  | 234.2                                                                                | 74,200                                                                               | 49.0                                                                                  | 240.1                                                                                | 88,200                                                                               | 59.0                                                                                    | 246.1                                                                                  | 83,300 <b>b</b>                                                                        | 66                                                                                     |
| 70                                                                                   | 37.3                                                                                  | 229.4                                                                                | 69,800                                                                               | 45.3                                                                                  | 236.4                                                                                | 81,700                                                                               | 55.4                                                                                    | 243.4                                                                                  | 77,200                                                                                 | 70                                                                                     |
| 75                                                                                   | 29.7                                                                                  | 221.5                                                                                | 65,500                                                                               | 39.0                                                                                  | 230.7                                                                                | 74,800                                                                               | 50.2                                                                                    | 239.5                                                                                  | 70,700                                                                                 | 75                                                                                     |
| 80                                                                                   | 19.4                                                                                  | 210.0                                                                                | 62,900                                                                               | 31.8                                                                                  | 223.3                                                                                | 68,800                                                                               | 44.5                                                                                    | 234.7                                                                                  | 65,100                                                                                 | 80                                                                                     |
| 83                                                                                   | 8.2                                                                                   | 196.7                                                                                | 60,300                                                                               | 25.6                                                                                  | 217.2                                                                                | 65,700                                                                               | 40.4                                                                                    | 231.2                                                                                  | 62,100                                                                                 | 83                                                                                     |
| 85                                                                                   |                                                                                       |                                                                                      |                                                                                      | 22.4                                                                                  | 213.1                                                                                | 63,600                                                                               | 38.2                                                                                    | 228.8                                                                                  | 60,200                                                                                 | 85                                                                                     |
| 87                                                                                   |                                                                                       |                                                                                      |                                                                                      | 15.5                                                                                  | 205.7                                                                                | 61,700                                                                               | 34.8                                                                                    | 225.8                                                                                  | 58,400                                                                                 | 87                                                                                     |
| 89                                                                                   |                                                                                       |                                                                                      |                                                                                      | 9.8                                                                                   | 198.2                                                                                | 59,800                                                                               | 31.6                                                                                    | 222.7                                                                                  | 56,700                                                                                 | 89                                                                                     |
| 90                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 30.7                                                                                    | 221.2                                                                                  | 55,900                                                                                 | 90                                                                                     |
| 95                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 21.0                                                                                    | 210.4                                                                                  | 52,000                                                                                 | 95                                                                                     |
| 99                                                                                   |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 5.2                                                                                     | 191.6                                                                                  | 49,100                                                                                 | 99                                                                                     |
| 100                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 100                                                                                    |
| 105                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 105                                                                                    |
| 107                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 107                                                                                    |
| 108                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 108                                                                                    |
| 110                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 110                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 115                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 120                                                                                    |
| 123                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 123                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 125                                                                                    |
| 127                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 127                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 138                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 138                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 153                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 153                                                                                    |

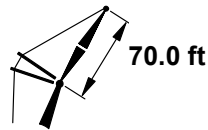
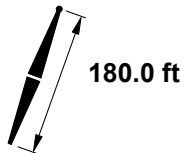


# MLC250 S-2

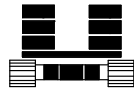
ASME B30.5



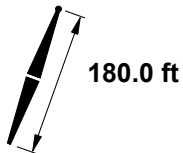
184,600 lb  
+  
44,000 lb



|     | 80°  |       |                 | 75°  |       |                 | 70°  |       |                 | 65°  |       |        |     |
|-----|------|-------|-----------------|------|-------|-----------------|------|-------|-----------------|------|-------|--------|-----|
|     |      |       |                 |      |       |                 |      |       |                 |      |       |        |     |
| ft  | ft   | ft    | lb              | ft   | ft    | lb              | ft   | ft    | lb              | ft   | ft    | lb     | ft  |
| 34  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 34  |
| 36  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 36  |
| 38  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 38  |
| 40  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 40  |
| 41  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 41  |
| 45  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 45  |
| 50  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 50  |
| 54  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 54  |
| 55  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 55  |
| 60  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 60  |
| 65  |      |       |                 |      |       |                 |      |       |                 |      |       |        | 65  |
| 66  | 67.9 | 249.4 | 78,400 <b>c</b> |      |       |                 |      |       |                 |      |       |        | 66  |
| 70  | 64.3 | 247.6 | 72,700 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 70  |
| 75  | 59.6 | 244.8 | 66,500 <b>b</b> |      |       |                 |      |       |                 |      |       |        | 75  |
| 80  | 54.7 | 241.4 | 61,300          |      |       |                 |      |       |                 |      |       |        | 80  |
| 83  | 51.0 | 239.0 | 58,500          |      |       |                 |      |       |                 |      |       |        | 83  |
| 85  | 49.4 | 237.4 | 56,700          |      |       |                 |      |       |                 |      |       |        | 85  |
| 87  | 46.6 | 235.4 | 55,000          | 62.7 | 243.1 | 49,300 <b>b</b> |      |       |                 |      |       |        | 87  |
| 89  | 44.2 | 233.4 | 53,400          | 60.0 | 241.9 | 47,900 <b>b</b> |      |       |                 |      |       |        | 89  |
| 90  | 43.7 | 232.5 | 52,600          | 59.9 | 241.4 | 47,100 <b>b</b> |      |       |                 |      |       |        | 90  |
| 95  | 37.2 | 226.4 | 49,000          | 55.0 | 238.0 | 43,900          |      |       |                 |      |       |        | 95  |
| 99  | 30.6 | 220.0 | 46,500          | 50.0 | 234.8 | 41,600          |      |       |                 |      |       |        | 99  |
| 100 | 29.6 | 218.5 | 45,800          | 49.7 | 234.0 | 41,100          |      |       |                 |      |       |        | 100 |
| 105 | 19.2 | 206.9 | 42,900          | 44.0 | 229.2 | 38,500          |      |       |                 |      |       |        | 105 |
| 107 | 11.0 | 197.8 | 41,700          | 41.2 | 226.8 | 37,500          | 57.9 | 235.2 | 33,100 <b>b</b> |      |       |        | 107 |
| 108 | 7.8  | 193.3 | 41,100          | 39.8 | 225.6 | 37,100          | 56.0 | 234.5 | 32,700 <b>b</b> |      |       |        | 108 |
| 110 |      |       |                 | 37.6 | 223.2 | 36,100          | 54.9 | 233.1 | 31,900          |      |       |        | 110 |
| 115 |      |       |                 | 30.1 | 215.4 | 34,000          | 49.6 | 229.1 | 30,000          |      |       |        | 115 |
| 120 |      |       |                 | 20.0 | 204.1 | 32,000          | 43.9 | 224.2 | 28,300          |      |       |        | 120 |
| 123 |      |       |                 | 9.6  | 191.8 | 30,800          | 39.4 | 220.6 | 27,300          |      |       |        | 123 |
| 125 |      |       |                 |      |       |                 | 37.5 | 218.1 | 26,700          |      |       |        | 125 |
| 127 |      |       |                 |      |       |                 | 33.8 | 215.0 | 26,100          | 52.2 | 224.9 | 22,600 | 127 |
| 130 |      |       |                 |      |       |                 | 29.9 | 210.3 | 25,200          | 49.0 | 222.4 | 21,800 | 130 |
| 135 |      |       |                 |      |       |                 | 19.7 | 199.0 | 23,700          | 43.2 | 217.4 | 20,600 | 135 |
| 138 |      |       |                 |      |       |                 | 9.1  | 186.4 | 22,900          | 38.8 | 213.7 | 19,900 | 138 |
| 140 |      |       |                 |      |       |                 |      |       |                 | 36.7 | 211.2 | 19,500 | 140 |
| 145 |      |       |                 |      |       |                 |      |       |                 | 28.9 | 203.1 | 18,400 | 145 |
| 150 |      |       |                 |      |       |                 |      |       |                 | 18.2 | 191.0 | 17,300 | 150 |
| 153 |      |       |                 |      |       |                 |      |       |                 | 4.5  | 174.5 | 16,600 | 153 |



184,600 lb  
+  
44,000 lb



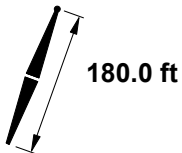
|     | 88°  |       |          | 86°  |       |           | 83°  |       |           |     |
|-----|------|-------|----------|------|-------|-----------|------|-------|-----------|-----|
| ft  | ft   | ft    | lb       | ft   | ft    | lb        | ft   | lb    | ft        |     |
| 35  | 75.4 | 265.1 | 90,000 d |      |       |           |      |       |           | 35  |
| 36  | 74.6 | 264.8 | 89,500 d |      |       |           |      |       |           | 36  |
| 38  | 73.1 | 264.2 | 88,400 d |      |       |           |      |       |           | 38  |
| 40  | 71.6 | 263.5 | 87,200 d |      |       |           |      |       |           | 40  |
| 44  | 67.8 | 261.9 | 84,900 d | 73.3 | 263.9 | 103,100 d |      |       |           | 44  |
| 45  | 67.8 | 261.6 | 84,300 b | 72.6 | 263.5 | 102,600 d |      |       |           | 45  |
| 50  | 63.8 | 259.2 | 81,500 b | 68.8 | 261.7 | 99,700 b  |      |       |           | 50  |
| 55  | 59.7 | 256.4 | 78,900   | 64.8 | 259.4 | 96,800 b  |      |       |           | 55  |
| 57  | 57.4 | 255.1 | 78,000   | 62.4 | 258.4 | 95,100 b  | 70.6 | 261.6 | 100,000 c | 57  |
| 60  | 55.4 | 253.1 | 76,600   | 60.8 | 256.8 | 92,600    | 68.3 | 260.4 | 93,600 b  | 60  |
| 65  | 50.9 | 249.3 | 71,900   | 56.5 | 253.6 | 85,900    | 64.3 | 258.1 | 84,400 b  | 65  |
| 70  | 46.0 | 244.7 | 66,500   | 52.1 | 249.9 | 79,700    | 60.2 | 255.4 | 76,700    | 70  |
| 75  | 40.7 | 239.2 | 61,700   | 47.3 | 245.5 | 73,600    | 56.0 | 252.2 | 70,200    | 75  |
| 80  | 34.8 | 232.5 | 57,600   | 42.1 | 240.3 | 68,200    | 51.5 | 248.4 | 64,600    | 80  |
| 85  | 27.6 | 224.0 | 54,500   | 36.4 | 234.0 | 63,400    | 46.7 | 243.9 | 59,800    | 85  |
| 90  | 18.0 | 211.5 | 52,600   | 29.6 | 226.0 | 58,900    | 41.4 | 238.5 | 55,500    | 90  |
| 92  | 10.7 | 202.0 | 52,600   | 25.4 | 221.6 | 57,300    | 38.6 | 235.9 | 54,000    | 92  |
| 93  | 7.6  | 197.3 | 52,600   | 23.6 | 219.3 | 56,500    | 37.4 | 234.6 | 53,300    | 93  |
| 95  |      |       |          | 20.9 | 214.9 | 54,800    | 35.6 | 232.0 | 51,800    | 95  |
| 99  |      |       |          | 9.1  | 199.0 | 51,800    | 29.4 | 225.4 | 49,000    | 99  |
| 100 |      |       |          |      |       |           | 28.6 | 223.8 | 48,400    | 100 |
| 105 |      |       |          |      |       |           | 19.5 | 212.1 | 45,300    | 105 |
| 109 |      |       |          |      |       |           | 4.8  | 191.9 | 42,900    | 109 |
| 110 |      |       |          |      |       |           |      |       |           | 110 |
| 113 |      |       |          |      |       |           |      |       |           | 113 |
| 115 |      |       |          |      |       |           |      |       |           | 115 |
| 118 |      |       |          |      |       |           |      |       |           | 118 |
| 120 |      |       |          |      |       |           |      |       |           | 120 |
| 125 |      |       |          |      |       |           |      |       |           | 125 |
| 130 |      |       |          |      |       |           |      |       |           | 130 |
| 133 |      |       |          |      |       |           |      |       |           | 133 |
| 135 |      |       |          |      |       |           |      |       |           | 135 |
| 140 |      |       |          |      |       |           |      |       |           | 140 |
| 145 |      |       |          |      |       |           |      |       |           | 145 |
| 148 |      |       |          |      |       |           |      |       |           | 148 |
| 150 |      |       |          |      |       |           |      |       |           | 150 |
| 155 |      |       |          |      |       |           |      |       |           | 155 |
| 160 |      |       |          |      |       |           |      |       |           | 160 |
| 163 |      |       |          |      |       |           |      |       |           | 163 |

# MLC250 S-2

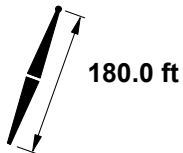
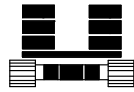
ASME B30.5

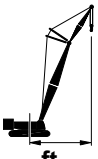
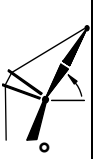
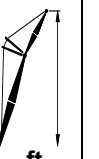
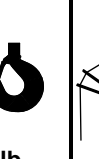


184,600 lb  
+  
44,000 lb



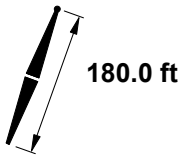
|     | 80°  |       |          | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 35  |      |       |          |      |       |        |      |       |        |      |       |        | 35  |
| 36  |      |       |          |      |       |        |      |       |        |      |       |        | 36  |
| 38  |      |       |          |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |          |      |       |        |      |       |        |      |       |        | 40  |
| 44  |      |       |          |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |          |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |          |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |          |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |          |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |          |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |          |      |       |        |      |       |        |      |       |        | 65  |
| 70  | 67.7 | 258.6 | 72,100 b |      |       |        |      |       |        |      |       |        | 70  |
| 75  | 63.8 | 256.2 | 66,000 b |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 59.7 | 253.5 | 60,700   |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 55.4 | 250.2 | 56,100   |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 50.8 | 246.3 | 52,100   |      |       |        |      |       |        |      |       |        | 90  |
| 92  | 48.0 | 244.4 | 50,700   | 62.4 | 251.8 | 45,200 |      |       |        |      |       |        | 92  |
| 93  | 47.0 | 243.5 | 50,000   | 61.0 | 251.2 | 44,500 |      |       |        |      |       |        | 93  |
| 95  | 46.0 | 241.7 | 48,600   | 59.9 | 250.0 | 43,300 |      |       |        |      |       |        | 95  |
| 99  | 41.0 | 237.3 | 46,000   | 55.8 | 247.4 | 41,000 |      |       |        |      |       |        | 99  |
| 100 | 40.7 | 236.2 | 45,400   | 55.6 | 246.8 | 40,500 |      |       |        |      |       |        | 100 |
| 105 | 34.7 | 229.5 | 42,600   | 51.1 | 242.9 | 37,900 |      |       |        |      |       |        | 105 |
| 109 | 28.4 | 222.6 | 40,500   | 47.0 | 239.3 | 36,000 |      |       |        |      |       |        | 109 |
| 110 | 27.6 | 220.9 | 40,000   | 46.3 | 238.4 | 35,600 |      |       |        |      |       |        | 110 |
| 113 | 21.0 | 213.4 | 38,500   | 42.4 | 235.1 | 34,300 | 57.3 | 243.2 | 30,100 |      |       |        | 113 |
| 115 | 17.9 | 208.4 | 37,600   | 41.0 | 233.0 | 33,500 | 55.6 | 241.8 | 29,300 |      |       |        | 115 |
| 118 | 7.2  | 193.8 | 36,100   | 37.0 | 229.0 | 32,300 | 52.6 | 239.5 | 28,300 |      |       |        | 118 |
| 120 |      |       |          | 35.0 | 226.3 | 31,600 | 51.0 | 237.9 | 27,600 |      |       |        | 120 |
| 125 |      |       |          | 28.0 | 217.9 | 29,800 | 46.2 | 233.4 | 26,100 |      |       |        | 125 |
| 130 |      |       |          | 18.6 | 205.7 | 28,100 | 40.9 | 228.0 | 24,600 |      |       |        | 130 |
| 133 |      |       |          | 8.9  | 192.6 | 27,100 | 36.4 | 224.0 | 23,800 | 52.4 | 232.9 | 20,400 | 133 |
| 135 |      |       |          |      |       |        | 34.9 | 221.3 | 23,300 | 50.5 | 231.3 | 19,900 | 135 |
| 140 |      |       |          |      |       |        | 27.9 | 212.8 | 22,000 | 45.6 | 226.6 | 18,800 | 140 |
| 145 |      |       |          |      |       |        | 18.4 | 200.6 | 20,800 | 40.3 | 221.1 | 17,800 | 145 |
| 148 |      |       |          |      |       |        | 8.5  | 187.0 | 20,000 | 36.4 | 217.0 | 17,200 | 148 |
| 150 |      |       |          |      |       |        |      |       |        | 34.2 | 214.3 | 16,900 | 150 |
| 155 |      |       |          |      |       |        |      |       |        | 27.0 | 205.5 | 15,900 | 155 |
| 160 |      |       |          |      |       |        |      |       |        | 17.0 | 192.5 | 15,000 | 160 |
| 163 |      |       |          |      |       |        |      |       |        | 4.1  | 174.8 | 14,400 | 163 |



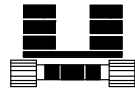
|     | 88°                                                                               |                                                                                   |                                                                                   | 86°                                                                               |                                                                                   |                                                                                   | 83°                                                                               |                                                                                    |                                                                                     |                                                                                     |
|-----|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|     |  |  |  |  |  |  |  |  |  |  |
|     | ft                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                | lb                                                                                | ft                                                                                 | lb                                                                                  | ft                                                                                  |
| 37  | 75.7                                                                              | 274.9                                                                             | 82,600 d                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 37                                                                                  |
| 38  | 75.1                                                                              | 274.6                                                                             | 82,100 d                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 38                                                                                  |
| 40  | 73.7                                                                              | 274.0                                                                             | 81,200 d                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 40                                                                                  |
| 45  | 70.4                                                                              | 272.3                                                                             | 78,600 c                                                                          |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 45                                                                                  |
| 46  | 69.2                                                                              | 271.9                                                                             | 78,100 c                                                                          | 73.9                                                                              | 273.7                                                                             | 94,800 d                                                                          |                                                                                   |                                                                                    |                                                                                     | 46                                                                                  |
| 50  | 66.9                                                                              | 270.3                                                                             | 75,900 b                                                                          | 71.2                                                                              | 272.4                                                                             | 93,100 b                                                                          |                                                                                   |                                                                                    |                                                                                     | 50                                                                                  |
| 55  | 63.4                                                                              | 267.9                                                                             | 73,500 b                                                                          | 67.8                                                                              | 270.4                                                                             | 90,700 b                                                                          |                                                                                   |                                                                                    |                                                                                     | 55                                                                                  |
| 60  | 59.7                                                                              | 265.1                                                                             | 71,300                                                                            | 64.3                                                                              | 268.1                                                                             | 88,200                                                                            | 70.8                                                                              | 271.1                                                                              | 92,800 b                                                                            | 60                                                                                  |
| 65  | 55.9                                                                              | 261.8                                                                             | 69,400                                                                            | 60.7                                                                              | 265.4                                                                             | 82,600                                                                            | 67.4                                                                              | 269.1                                                                              | 84,000 b                                                                            | 65                                                                                  |
| 70  | 52.0                                                                              | 258.1                                                                             | 64,100                                                                            | 56.9                                                                              | 262.3                                                                             | 76,800                                                                            | 63.9                                                                              | 266.8                                                                              | 76,400                                                                              | 70                                                                                  |
| 74  | 47.8                                                                              | 254.6                                                                             | 60,300                                                                            | 53.6                                                                              | 259.4                                                                             | 72,500                                                                            | 60.6                                                                              | 264.6                                                                              | 71,200                                                                              | 74                                                                                  |
| 75  | 47.8                                                                              | 253.7                                                                             | 59,400                                                                            | 53.0                                                                              | 258.7                                                                             | 71,400                                                                            | 60.2                                                                              | 264.0                                                                              | 69,900                                                                              | 75                                                                                  |
| 80  | 43.2                                                                              | 248.7                                                                             | 55,200                                                                            | 48.9                                                                              | 254.5                                                                             | 66,400                                                                            | 56.4                                                                              | 260.9                                                                              | 64,300                                                                              | 80                                                                                  |
| 85  | 38.3                                                                              | 242.7                                                                             | 51,600                                                                            | 44.4                                                                              | 249.6                                                                             | 61,400                                                                            | 52.5                                                                              | 257.2                                                                              | 59,500                                                                              | 85                                                                                  |
| 90  | 32.7                                                                              | 235.5                                                                             | 48,400                                                                            | 39.6                                                                              | 243.9                                                                             | 57,200                                                                            | 48.3                                                                              | 252.9                                                                              | 55,300                                                                              | 90                                                                                  |
| 95  | 26.0                                                                              | 226.3                                                                             | 46,000                                                                            | 34.2                                                                              | 237.1                                                                             | 53,600                                                                            | 43.8                                                                              | 248.0                                                                              | 51,500                                                                              | 95                                                                                  |
| 96  | 23.2                                                                              | 223.6                                                                             | 45,700                                                                            | 32.6                                                                              | 235.3                                                                             | 53,000                                                                            | 42.0                                                                              | 246.8                                                                              | 50,900                                                                              | 96                                                                                  |
| 100 | 16.9                                                                              | 213.0                                                                             | 44,600                                                                            | 27.8                                                                              | 228.5                                                                             | 50,600                                                                            | 38.9                                                                              | 242.1                                                                              | 48,200                                                                              | 100                                                                                 |
| 103 | 7.1                                                                               | 197.8                                                                             | 44,600                                                                            | 22.2                                                                              | 221.4                                                                             | 49,000                                                                            | 35.0                                                                              | 237.9                                                                              | 46,400                                                                              | 103                                                                                 |
| 105 |                                                                                   |                                                                                   |                                                                                   | 19.6                                                                              | 216.6                                                                             | 48,000                                                                            | 33.4                                                                              | 235.1                                                                              | 45,200                                                                              | 105                                                                                 |
| 109 |                                                                                   |                                                                                   |                                                                                   | 8.5                                                                               | 199.6                                                                             | 45,600                                                                            | 27.4                                                                              | 227.9                                                                              | 43,000                                                                              | 109                                                                                 |
| 110 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 26.9                                                                              | 226.2                                                                              | 42,500                                                                              | 110                                                                                 |
| 115 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 18.4                                                                              | 213.7                                                                              | 39,900                                                                              | 115                                                                                 |
| 118 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 7.5                                                                               | 197.6                                                                              | 38,500                                                                              | 118                                                                                 |
| 119 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   | 4.4                                                                               | 192.2                                                                              | 38,000                                                                              | 119                                                                                 |
| 120 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 120                                                                                 |
| 125 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 125                                                                                 |
| 128 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 128                                                                                 |
| 130 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 130                                                                                 |
| 135 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 135                                                                                 |
| 139 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 139                                                                                 |
| 140 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 140                                                                                 |
| 143 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 143                                                                                 |
| 145 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 145                                                                                 |
| 150 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 150                                                                                 |
| 155 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 155                                                                                 |
| 158 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 158                                                                                 |
| 160 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 160                                                                                 |
| 165 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 165                                                                                 |
| 170 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 170                                                                                 |
| 173 |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                     | 173                                                                                 |



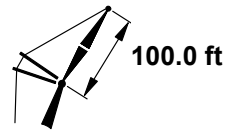
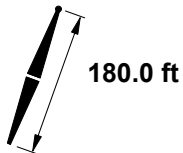
184,600 lb  
+  
44,000 lb

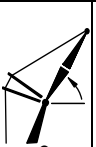
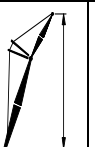
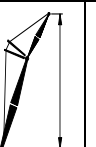
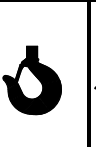
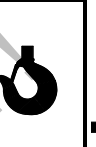


|     | 80°  |       |           | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|-----------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |           |      |       |        |      |       |        |      |       |        |     |
| 37  |      |       |           |      |       |        |      |       |        |      |       |        | 37  |
| 38  |      |       |           |      |       |        |      |       |        |      |       |        | 38  |
| 40  |      |       |           |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |           |      |       |        |      |       |        |      |       |        | 45  |
| 46  |      |       |           |      |       |        |      |       |        |      |       |        | 46  |
| 50  |      |       |           |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |           |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |           |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |           |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |           |      |       |        |      |       |        |      |       |        | 70  |
| 74  | 67.6 | 267.8 | 66,700 lb |      |       |        |      |       |        |      |       |        | 74  |
| 75  | 66.9 | 267.3 | 65,600 lb |      |       |        |      |       |        |      |       |        | 75  |
| 80  | 63.4 | 264.9 | 60,300    |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 59.7 | 262.1 | 55,800    |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 55.9 | 258.9 | 51,800    |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 51.9 | 255.1 | 48,300    |      |       |        |      |       |        |      |       |        | 95  |
| 96  | 50.2 | 254.2 | 47,600    | 62.8 | 261.0 | 42,300 |      |       |        |      |       |        | 96  |
| 100 | 47.7 | 250.8 | 45,100    | 59.9 | 258.7 | 40,100 |      |       |        |      |       |        | 100 |
| 103 | 44.6 | 247.7 | 43,400    | 57.2 | 256.8 | 38,500 |      |       |        |      |       |        | 103 |
| 105 | 43.2 | 245.7 | 42,300    | 56.1 | 255.5 | 37,500 |      |       |        |      |       |        | 105 |
| 109 | 39.0 | 240.9 | 40,300    | 52.8 | 252.5 | 35,700 |      |       |        |      |       |        | 109 |
| 110 | 38.2 | 239.7 | 39,800    | 52.2 | 251.7 | 35,200 |      |       |        |      |       |        | 110 |
| 115 | 32.6 | 232.4 | 37,400    | 48.0 | 247.4 | 33,200 |      |       |        |      |       |        | 115 |
| 118 | 27.8 | 226.9 | 36,200    | 44.6 | 244.4 | 32,000 | 57.6 | 251.9 | 27,900 |      |       |        | 118 |
| 119 | 26.4 | 225.0 | 35,700    | 43.8 | 243.4 | 31,600 | 56.5 | 251.2 | 27,600 |      |       |        | 119 |
| 120 | 25.9 | 223.2 | 35,300    | 43.4 | 242.4 | 31,300 | 56.1 | 250.5 | 27,200 |      |       |        | 120 |
| 125 | 16.8 | 209.9 | 33,300    | 38.5 | 236.5 | 29,500 | 52.1 | 246.8 | 25,700 |      |       |        | 125 |
| 128 | 6.8  | 194.4 | 32,100    | 34.4 | 232.2 | 28,600 | 49.0 | 244.2 | 24,800 |      |       |        | 128 |
| 130 |      |       |           | 32.9 | 229.3 | 27,900 | 47.9 | 242.5 | 24,300 |      |       |        | 130 |
| 135 |      |       |           | 26.3 | 220.2 | 26,400 | 43.4 | 237.4 | 22,900 |      |       |        | 135 |
| 139 |      |       |           | 18.8 | 209.8 | 25,300 | 39.0 | 232.7 | 22,000 | 52.4 | 240.9 | 18,600 | 139 |
| 140 |      |       |           | 17.5 | 207.2 | 25,000 | 38.4 | 231.5 | 21,700 | 51.6 | 240.1 | 18,400 | 140 |
| 143 |      |       |           | 8.3  | 193.2 | 24,100 | 34.4 | 227.1 | 21,000 | 48.6 | 237.5 | 17,800 | 143 |
| 145 |      |       |           |      |       |        | 32.8 | 224.3 | 20,600 | 47.4 | 235.7 | 17,400 | 145 |
| 150 |      |       |           |      |       |        | 26.2 | 215.1 | 19,500 | 42.8 | 230.6 | 16,500 | 150 |
| 155 |      |       |           |      |       |        | 17.3 | 202.1 | 18,400 | 37.8 | 224.5 | 15,600 | 155 |
| 158 |      |       |           |      |       |        | 7.9  | 187.7 | 17,800 | 34.0 | 220.1 | 15,100 | 158 |
| 160 |      |       |           |      |       |        |      |       |        | 32.2 | 217.2 | 14,800 | 160 |
| 165 |      |       |           |      |       |        |      |       |        | 25.4 | 207.7 | 14,000 | 165 |
| 170 |      |       |           |      |       |        |      |       |        | 16.0 | 193.9 | 13,200 | 170 |
| 173 |      |       |           |      |       |        |      |       |        | 3.8  | 175.0 | 12,600 | 173 |



184,600 lb  
+  
44,000 lb



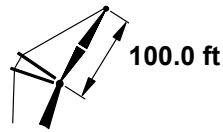
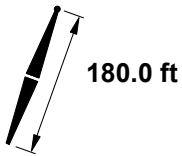
|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |      |  ft |  lb |      |  ft |  lb |       |  ft |  lb |  ft |
| 39                                                                                   | 76.0                                                                                  | 284.7                                                                                | 75,700 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 39                                                                                     |
| 40                                                                                   | 75.4                                                                                  | 284.4                                                                                | 75,300 <b>d</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 40                                                                                     |
| 45                                                                                   | 72.4                                                                                  | 282.9                                                                                | 73,200 <b>c</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 45                                                                                     |
| 49                                                                                   | 69.6                                                                                  | 281.5                                                                                | 71,300 <b>c</b>                                                                      | 73.8                                                                                  | 283.2                                                                                | 86,600 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 49                                                                                     |
| 50                                                                                   | 69.4                                                                                  | 281.1                                                                                | 70,800 <b>b</b>                                                                      | 73.2                                                                                  | 282.9                                                                                | 86,300 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 50                                                                                     |
| 55                                                                                   | 66.2                                                                                  | 279.0                                                                                | 69,500 <b>b</b>                                                                      | 70.1                                                                                  | 281.2                                                                                | 84,500 <b>b</b>                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 63.1                                                                                  | 276.6                                                                                | 66,500                                                                               | 67.0                                                                                  | 279.2                                                                                | 82,500                                                                               |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 63                                                                                   | 60.6                                                                                  | 274.9                                                                                | 65,400                                                                               | 64.6                                                                                  | 277.7                                                                                | 80,600                                                                               | 71.0                                                                                    | 280.7                                                                                  | 84,800 <b>b</b>                                                                        | 63                                                                                     |
| 65                                                                                   | 59.8                                                                                  | 273.7                                                                                | 64,700                                                                               | 63.9                                                                                  | 276.8                                                                                | 79,200                                                                               | 69.8                                                                                    | 279.9                                                                                  | 83,500 <b>b</b>                                                                        | 65                                                                                     |
| 70                                                                                   | 56.4                                                                                  | 270.5                                                                                | 62,300                                                                               | 60.6                                                                                  | 274.1                                                                                | 74,200                                                                               | 66.6                                                                                    | 277.9                                                                                  | 75,800                                                                                 | 70                                                                                     |
| 75                                                                                   | 52.8                                                                                  | 266.9                                                                                | 57,800                                                                               | 57.2                                                                                  | 271.0                                                                                | 69,300                                                                               | 63.5                                                                                    | 275.5                                                                                  | 69,400                                                                                 | 75                                                                                     |
| 78                                                                                   | 50.2                                                                                  | 264.4                                                                                | 55,300                                                                               | 54.6                                                                                  | 268.9                                                                                | 66,400                                                                               | 61.2                                                                                    | 273.8                                                                                  | 66,000                                                                                 | 78                                                                                     |
| 80                                                                                   | 49.1                                                                                  | 262.7                                                                                | 53,600                                                                               | 53.7                                                                                  | 267.5                                                                                | 64,500                                                                               | 60.2                                                                                    | 272.7                                                                                  | 63,800                                                                                 | 80                                                                                     |
| 85                                                                                   | 45.1                                                                                  | 258.0                                                                                | 49,900                                                                               | 50.1                                                                                  | 263.4                                                                                | 60,000                                                                               | 56.8                                                                                    | 269.5                                                                                  | 59,000                                                                                 | 85                                                                                     |
| 90                                                                                   | 40.9                                                                                  | 252.5                                                                                | 46,600                                                                               | 46.2                                                                                  | 258.8                                                                                | 56,100                                                                               | 53.3                                                                                    | 266.0                                                                                  | 54,800                                                                                 | 90                                                                                     |
| 95                                                                                   | 36.2                                                                                  | 246.0                                                                                | 43,800                                                                               | 42.0                                                                                  | 253.5                                                                                | 52,100                                                                               | 49.6                                                                                    | 261.9                                                                                  | 51,100                                                                                 | 95                                                                                     |
| 100                                                                                  | 30.9                                                                                  | 238.2                                                                                | 41,400                                                                               | 37.4                                                                                  | 247.3                                                                                | 48,800                                                                               | 45.7                                                                                    | 257.2                                                                                  | 47,800                                                                                 | 100                                                                                    |
| 101                                                                                  | 28.8                                                                                  | 236.3                                                                                | 41,000                                                                               | 36.0                                                                                  | 245.9                                                                                | 48,300                                                                               | 44.2                                                                                    | 256.1                                                                                  | 47,200                                                                                 | 101                                                                                    |
| 105                                                                                  | 24.6                                                                                  | 228.4                                                                                | 39,500                                                                               | 32.3                                                                                  | 240.0                                                                                | 46,000                                                                               | 41.4                                                                                    | 251.8                                                                                  | 44,800                                                                                 | 105                                                                                    |
| 110                                                                                  | 16.0                                                                                  | 214.4                                                                                | 38,500                                                                               | 26.3                                                                                  | 230.8                                                                                | 43,600                                                                               | 36.8                                                                                    | 245.5                                                                                  | 42,100                                                                                 | 110                                                                                    |
| 113                                                                                  | 6.7                                                                                   | 198.4                                                                                | 38,500                                                                               | 21.2                                                                                  | 223.3                                                                                | 42,600                                                                               | 33.0                                                                                    | 240.9                                                                                  | 40,600                                                                                 | 113                                                                                    |
| 115                                                                                  |                                                                                       |                                                                                      |                                                                                      | 18.6                                                                                  | 218.2                                                                                | 41,900                                                                               | 31.6                                                                                    | 237.9                                                                                  | 39,600                                                                                 | 115                                                                                    |
| 119                                                                                  |                                                                                       |                                                                                      |                                                                                      | 8.0                                                                                   | 200.3                                                                                | 40,200                                                                               | 26.2                                                                                    | 230.3                                                                                  | 37,800                                                                                 | 119                                                                                    |
| 120                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 25.5                                                                                    | 228.4                                                                                  | 37,400                                                                                 | 120                                                                                    |
| 123                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 20.2                                                                                    | 220.5                                                                                  | 36,100                                                                                 | 123                                                                                    |
| 125                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 17.4                                                                                    | 215.2                                                                                  | 35,300                                                                                 | 125                                                                                    |
| 129                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 4.2                                                                                     | 192.5                                                                                  | 33,600                                                                                 | 129                                                                                    |
| 130                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 130                                                                                    |
| 135                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 135                                                                                    |
| 138                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 138                                                                                    |
| 140                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 140                                                                                    |
| 145                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 145                                                                                    |
| 150                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 150                                                                                    |
| 153                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 153                                                                                    |
| 155                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 155                                                                                    |
| 160                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 160                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 165                                                                                    |
| 168                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 168                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 170                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 175                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 183                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 183                                                                                    |

# MLC250 S-2

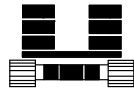
ASME B30.5



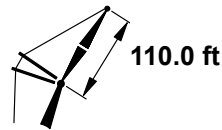
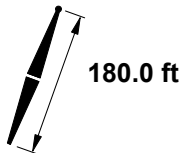
184,600 lb  
+  
44,000 lb

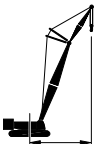
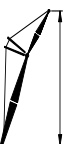
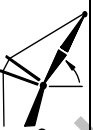


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft  |
| 39  |      |       |        |      |       |        |      |       |        |      |       |        | 39  |
| 40  |      |       |        |      |       |        |      |       |        |      |       |        | 40  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |        | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 78  | 67.5 | 276.9 | 61,700 |      |       |        |      |       |        |      |       |        | 78  |
| 80  | 66.2 | 276.0 | 59,700 |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 63.0 | 273.6 | 55,200 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 59.7 | 270.8 | 51,200 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 56.3 | 267.6 | 47,700 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 52.8 | 263.9 | 44,600 |      |       |        |      |       |        |      |       |        | 100 |
| 101 | 51.4 | 263.1 | 44,000 | 62.6 | 269.6 | 38,900 |      |       |        |      |       |        | 101 |
| 105 | 49.0 | 259.7 | 41,800 | 59.9 | 267.4 | 36,900 |      |       |        |      |       |        | 105 |
| 110 | 45.1 | 255.0 | 39,300 | 56.5 | 264.2 | 34,600 |      |       |        |      |       |        | 110 |
| 113 | 42.0 | 251.6 | 37,900 | 53.6 | 262.0 | 33,400 |      |       |        |      |       |        | 113 |
| 115 | 40.8 | 249.4 | 37,000 | 53.0 | 260.5 | 32,600 |      |       |        |      |       |        | 115 |
| 119 | 36.8 | 244.3 | 35,300 | 49.6 | 257.2 | 31,100 |      |       |        |      |       |        | 119 |
| 120 | 36.1 | 243.0 | 34,900 | 49.3 | 256.4 | 30,700 |      |       |        |      |       |        | 120 |
| 123 | 32.4 | 238.3 | 33,700 | 46.6 | 253.6 | 29,700 | 57.8 | 260.5 | 25,600 |      |       |        | 123 |
| 125 | 30.8 | 235.2 | 33,000 | 45.3 | 251.7 | 29,000 | 56.5 | 259.2 | 25,000 |      |       |        | 125 |
| 129 | 25.2 | 227.3 | 31,500 | 41.8 | 247.3 | 27,700 | 52.8 | 256.3 | 23,900 |      |       |        | 129 |
| 130 | 24.5 | 225.4 | 31,200 | 41.1 | 246.2 | 27,400 | 52.9 | 255.6 | 23,600 |      |       |        | 130 |
| 135 | 15.9 | 211.2 | 29,500 | 36.4 | 239.8 | 25,900 | 49.2 | 251.4 | 22,300 |      |       |        | 135 |
| 138 | 6.4  | 194.9 | 28,500 | 33.0 | 235.2 | 25,100 | 46.6 | 248.6 | 21,600 |      |       |        | 138 |
| 140 |      |       |        | 31.2 | 232.1 | 24,600 | 45.3 | 246.7 | 21,100 |      |       |        | 140 |
| 145 |      |       |        | 24.9 | 222.4 | 23,300 | 41.0 | 241.2 | 20,000 | 52.5 | 248.9 | 16,800 | 145 |
| 150 |      |       |        | 16.5 | 208.7 | 22,000 | 36.3 | 234.8 | 18,900 | 48.8 | 244.7 | 15,800 | 150 |
| 153 |      |       |        | 7.9  | 193.9 | 21,300 | 33.0 | 230.1 | 18,300 | 45.6 | 241.8 | 15,300 | 153 |
| 155 |      |       |        |      |       |        | 31.1 | 227.1 | 18,000 | 44.8 | 239.9 | 15,000 | 155 |
| 160 |      |       |        |      |       |        | 24.8 | 217.3 | 17,000 | 40.5 | 234.3 | 14,200 | 160 |
| 165 |      |       |        |      |       |        | 16.3 | 203.5 | 16,100 | 35.8 | 227.8 | 13,400 | 165 |
| 168 |      |       |        |      |       |        | 7.5  | 188.3 | 15,500 | 32.0 | 223.0 | 12,900 | 168 |
| 170 |      |       |        |      |       |        |      |       |        | 30.4 | 219.9 | 12,600 | 170 |
| 175 |      |       |        |      |       |        |      |       |        | 24.0 | 209.8 | 11,800 | 175 |
| 180 |      |       |        |      |       |        |      |       |        | 15.1 | 195.2 | 11,100 | 180 |
| 183 |      |       |        |      |       |        |      |       |        | 3.5  | 175.2 | 10,600 | 183 |



184,600 lb  
+  
44,000 lb



|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 42                                                                                | 75.7                                                                                  | 294.3                                                                             | 69,300 <b>d</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 42                                                                                  |
| 45                                                                                | 74.1                                                                                  | 293.4                                                                             | 68,100 <b>c</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 45                                                                                  |
| 50                                                                                | 71.3                                                                                  | 291.8                                                                             | 66,100 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 52                                                                                | 69.8                                                                                  | 291.0                                                                             | 65,300 <b>b</b>                                                                   | 73.7                                                                                  | 292.8                                                                             | 79,500 <b>b</b>                                                                   |                                                                                         |                                                                                     |                                                                                     | 52                                                                                  |
| 55                                                                                | 68.5                                                                                  | 289.9                                                                             | 64,100 <b>b</b>                                                                   | 72.0                                                                                  | 291.8                                                                             | 78,700 <b>b</b>                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 65.7                                                                                  | 287.7                                                                             | 62,200                                                                            | 69.2                                                                                  | 290.0                                                                             | 77,200                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 62.8                                                                                  | 285.2                                                                             | 61,300                                                                            | 66.4                                                                                  | 287.9                                                                             | 75,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 67                                                                                | 60.8                                                                                  | 284.1                                                                             | 60,300                                                                            | 64.8                                                                                  | 286.9                                                                             | 73,800                                                                            | 70.6                                                                                    | 289.9                                                                               | 77,800                                                                              | 67                                                                                  |
| 70                                                                                | 59.8                                                                                  | 282.4                                                                             | 58,900                                                                            | 63.5                                                                                  | 285.5                                                                             | 71,200                                                                            | 68.9                                                                                    | 288.7                                                                               | 75,700                                                                              | 70                                                                                  |
| 75                                                                                | 56.7                                                                                  | 279.2                                                                             | 55,800                                                                            | 60.6                                                                                  | 282.7                                                                             | 66,800                                                                            | 66.1                                                                                    | 286.6                                                                               | 69,200                                                                              | 75                                                                                  |
| 80                                                                                | 53.5                                                                                  | 275.7                                                                             | 52,100                                                                            | 57.5                                                                                  | 279.7                                                                             | 62,500                                                                            | 63.2                                                                                    | 284.1                                                                               | 63,700                                                                              | 80                                                                                  |
| 81                                                                                | 52.4                                                                                  | 274.8                                                                             | 51,300                                                                            | 56.4                                                                                  | 279.0                                                                             | 61,700                                                                            | 62.4                                                                                    | 283.6                                                                               | 62,700                                                                              | 81                                                                                  |
| 85                                                                                | 50.2                                                                                  | 271.6                                                                             | 48,400                                                                            | 54.3                                                                                  | 276.2                                                                             | 58,400                                                                            | 60.2                                                                                    | 281.4                                                                               | 58,900                                                                              | 85                                                                                  |
| 90                                                                                | 46.6                                                                                  | 267.1                                                                             | 45,200                                                                            | 51.0                                                                                  | 272.3                                                                             | 54,500                                                                            | 57.1                                                                                    | 278.2                                                                               | 54,700                                                                              | 90                                                                                  |
| 95                                                                                | 42.9                                                                                  | 261.9                                                                             | 42,300                                                                            | 47.6                                                                                  | 267.9                                                                             | 51,100                                                                            | 53.9                                                                                    | 274.7                                                                               | 51,000                                                                              | 95                                                                                  |
| 100                                                                               | 38.9                                                                                  | 256.0                                                                             | 39,700                                                                            | 43.9                                                                                  | 262.9                                                                             | 47,600                                                                            | 50.6                                                                                    | 270.7                                                                               | 47,700                                                                              | 100                                                                                 |
| 105                                                                               | 34.4                                                                                  | 249.1                                                                             | 37,500                                                                            | 39.9                                                                                  | 257.2                                                                             | 44,600                                                                            | 47.1                                                                                    | 266.3                                                                               | 44,700                                                                              | 105                                                                                 |
| 110                                                                               | 29.4                                                                                  | 240.9                                                                             | 35,600                                                                            | 35.6                                                                                  | 250.6                                                                             | 41,900                                                                            | 43.4                                                                                    | 261.2                                                                               | 42,000                                                                              | 110                                                                                 |
| 115                                                                               | 23.4                                                                                  | 230.5                                                                             | 34,200                                                                            | 30.8                                                                                  | 242.7                                                                             | 39,600                                                                            | 39.4                                                                                    | 255.4                                                                               | 39,600                                                                              | 115                                                                                 |
| 120                                                                               | 15.2                                                                                  | 215.7                                                                             | 33,400                                                                            | 25.1                                                                                  | 233.0                                                                             | 37,700                                                                            | 35.0                                                                                    | 248.6                                                                               | 37,400                                                                              | 120                                                                                 |
| 123                                                                               | 6.3                                                                                   | 198.9                                                                             | 33,400                                                                            | 20.2                                                                                  | 225.0                                                                             | 36,900                                                                            | 32.0                                                                                    | 243.8                                                                               | 36,100                                                                              | 123                                                                                 |
| 125                                                                               |                                                                                       |                                                                                   |                                                                                   | 17.7                                                                                  | 219.8                                                                             | 36,400                                                                            | 30.1                                                                                    | 240.6                                                                               | 35,300                                                                              | 125                                                                                 |
| 128                                                                               |                                                                                       |                                                                                   |                                                                                   | 9.5                                                                                   | 205.6                                                                             | 36,100                                                                            | 26.4                                                                                    | 234.6                                                                               | 34,200                                                                              | 128                                                                                 |
| 129                                                                               |                                                                                       |                                                                                   |                                                                                   | 7.6                                                                                   | 200.9                                                                             | 36,000                                                                            | 25.2                                                                                    | 232.6                                                                               | 33,800                                                                              | 129                                                                                 |
| 130                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 24.2                                                                                    | 230.6                                                                               | 33,400                                                                              | 130                                                                                 |
| 135                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 16.5                                                                                    | 216.6                                                                               | 31,700                                                                              | 135                                                                                 |
| 139                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.9                                                                                     | 192.8                                                                               | 30,300                                                                              | 139                                                                                 |
| 140                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 140                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 145                                                                                 |
| 148                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 148                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 150                                                                                 |
| 151                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 151                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 155                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 163                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 163                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 178                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 178                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 193                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 193                                                                                 |

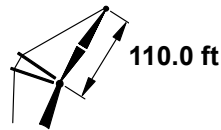
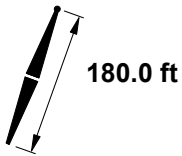


# MLC250 S-2

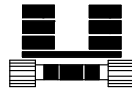
ASME B30.5



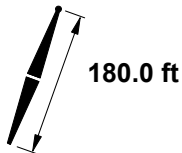
184,600 lb  
+  
44,000 lb



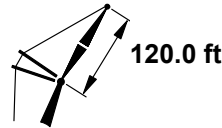
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 42  |      |       |        |      |       |        |      |       |        |      |       |        | 42  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 52  |      |       |        |      |       |        |      |       |        |      |       |        | 52  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 67  |      |       |        |      |       |        |      |       |        |      |       |        | 67  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 81  | 67.9 | 286.5 | 58,600 |      |       |        |      |       |        |      |       |        | 81  |
| 85  | 65.7 | 284.7 | 55,000 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 62.7 | 282.3 | 51,100 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 59.8 | 279.4 | 47,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 56.7 | 276.3 | 44,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 53.5 | 272.7 | 41,700 | 62.9 | 278.8 | 36,700 |      |       |        |      |       |        | 105 |
| 110 | 50.1 | 268.6 | 39,200 | 59.9 | 276.0 | 34,400 |      |       |        |      |       |        | 110 |
| 115 | 46.6 | 264.1 | 36,900 | 56.9 | 272.9 | 32,400 |      |       |        |      |       |        | 115 |
| 120 | 42.9 | 258.9 | 34,800 | 53.7 | 269.3 | 30,500 |      |       |        |      |       |        | 120 |
| 123 | 39.6 | 255.4 | 33,700 | 51.2 | 266.9 | 29,500 |      |       |        |      |       |        | 123 |
| 125 | 38.8 | 253.0 | 32,900 | 50.3 | 265.3 | 28,800 |      |       |        |      |       |        | 125 |
| 128 | 35.6 | 248.8 | 31,800 | 47.6 | 262.6 | 27,900 | 58.0 | 269.2 | 24,000 |      |       |        | 128 |
| 129 | 34.8 | 247.5 | 31,500 | 46.8 | 261.7 | 27,600 | 57.0 | 268.5 | 23,700 |      |       |        | 129 |
| 130 | 34.4 | 246.1 | 31,100 | 46.8 | 260.8 | 27,300 | 56.8 | 267.9 | 23,400 |      |       |        | 130 |
| 135 | 29.3 | 237.8 | 29,500 | 43.1 | 255.6 | 25,800 | 53.6 | 264.3 | 22,100 |      |       |        | 135 |
| 139 | 24.2 | 229.5 | 28,300 | 39.8 | 250.9 | 24,700 | 50.6 | 261.1 | 21,200 |      |       |        | 139 |
| 140 | 23.3 | 227.4 | 28,000 | 39.1 | 249.8 | 24,500 | 50.3 | 260.3 | 21,000 |      |       |        | 140 |
| 145 | 15.1 | 212.5 | 26,500 | 34.6 | 242.9 | 23,200 | 46.7 | 255.8 | 19,900 |      |       |        | 145 |
| 148 | 6.0  | 195.3 | 25,700 | 31.0 | 238.0 | 22,500 | 44.2 | 252.7 | 19,200 |      |       |        | 148 |
| 150 |      |       |        | 29.7 | 234.8 | 22,000 | 43.0 | 250.6 | 18,800 |      |       |        | 150 |
| 151 |      |       |        | 27.8 | 232.7 | 21,800 | 42.0 | 249.5 | 18,600 | 52.6 | 256.9 | 15,500 | 151 |
| 155 |      |       |        | 23.7 | 224.5 | 20,900 | 39.0 | 244.8 | 17,800 | 49.9 | 253.6 | 14,800 | 155 |
| 160 |      |       |        | 15.7 | 210.0 | 19,900 | 34.6 | 237.9 | 16,900 | 46.3 | 249.0 | 13,900 | 160 |
| 163 |      |       |        | 7.5  | 194.5 | 19,200 | 31.0 | 233.0 | 16,400 | 43.6 | 245.9 | 13,400 | 163 |
| 165 |      |       |        |      |       |        | 29.6 | 229.7 | 16,100 | 42.6 | 243.8 | 13,100 | 165 |
| 170 |      |       |        |      |       |        | 23.6 | 219.4 | 15,300 | 38.5 | 237.8 | 12,400 | 170 |
| 175 |      |       |        |      |       |        | 15.6 | 204.8 | 14,400 | 34.0 | 230.9 | 11,700 | 175 |
| 178 |      |       |        |      |       |        | 7.1  | 188.8 | 13,900 | 30.4 | 225.8 | 11,200 | 178 |
| 180 |      |       |        |      |       |        |      |       |        | 28.9 | 222.5 | 11,000 | 180 |
| 185 |      |       |        |      |       |        |      |       |        | 22.8 | 211.8 | 10,300 | 185 |
| 190 |      |       |        |      |       |        |      |       |        | 14.4 | 196.4 | 9,600  | 190 |
| 193 |      |       |        |      |       |        |      |       |        | 3.3  | 175.5 | 9,100  | 193 |



184,600 lb  
+  
44,000 lb



180.0 ft



120.0 ft

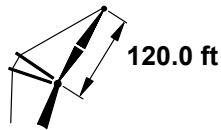
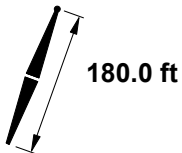
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
| ft  | °    | ft    | lb       | °    | ft    | lb     | °    | ft    | lb     | ft  |
| 44  | 75.9 | 304.1 | 63,600 d |      |       |        |      |       |        | 44  |
| 45  | 75.4 | 303.8 | 63,300 c |      |       |        |      |       |        | 45  |
| 50  | 72.9 | 302.3 | 61,600 b |      |       |        |      |       |        | 50  |
| 55  | 70.4 | 300.6 | 60,700 b | 73.6 | 302.3 | 73,000 |      |       |        | 55  |
| 60  | 67.8 | 298.6 | 58,100   | 71.1 | 300.7 | 71,900 |      |       |        | 60  |
| 65  | 65.2 | 296.4 | 57,400   | 68.5 | 298.8 | 70,600 |      |       |        | 65  |
| 70  | 62.6 | 293.9 | 55,900   | 65.9 | 296.6 | 67,900 | 70.7 | 299.4 | 71,400 | 70  |
| 75  | 59.8 | 291.1 | 53,800   | 63.2 | 294.2 | 64,100 | 68.2 | 297.5 | 68,700 | 75  |
| 80  | 57.0 | 287.9 | 50,200   | 60.5 | 291.4 | 60,300 | 65.6 | 295.3 | 63,200 | 80  |
| 85  | 54.1 | 284.4 | 47,100   | 57.7 | 288.3 | 56,600 | 62.9 | 292.8 | 58,400 | 85  |
| 90  | 51.0 | 280.5 | 44,000   | 54.8 | 284.9 | 53,000 | 60.2 | 290.0 | 54,200 | 90  |
| 95  | 47.9 | 276.1 | 41,000   | 51.8 | 281.1 | 49,600 | 57.4 | 286.9 | 50,500 | 95  |
| 100 | 44.5 | 271.2 | 38,500   | 48.7 | 276.9 | 46,400 | 54.4 | 283.4 | 47,200 | 100 |
| 105 | 41.0 | 265.7 | 36,200   | 45.4 | 272.1 | 43,700 | 51.4 | 279.6 | 44,200 | 105 |
| 110 | 37.1 | 259.4 | 34,100   | 41.9 | 266.7 | 40,800 | 48.3 | 275.3 | 41,600 | 110 |
| 115 | 32.9 | 252.1 | 32,400   | 38.1 | 260.7 | 38,400 | 45.0 | 270.4 | 39,100 | 115 |
| 120 | 28.1 | 243.4 | 30,800   | 34.0 | 253.6 | 36,200 | 41.4 | 265.0 | 36,900 | 120 |
| 125 | 22.4 | 232.5 | 29,700   | 29.4 | 245.3 | 34,400 | 37.6 | 258.8 | 34,900 | 125 |
| 130 | 14.6 | 216.9 | 29,200   | 23.9 | 235.1 | 32,900 | 33.5 | 251.6 | 33,100 | 130 |
| 133 | 6.0  | 199.3 | 29,200   | 18.8 | 226.8 | 32,300 | 30.0 | 246.5 | 32,000 | 133 |
| 134 |      |       |          | 17.4 | 224.0 | 32,100 | 29.0 | 244.8 | 31,700 | 134 |
| 135 |      |       |          | 16.9 | 221.2 | 31,900 | 28.8 | 243.2 | 31,300 | 135 |
| 139 |      |       |          | 7.3  | 201.5 | 31,800 | 24.0 | 234.7 | 30,100 | 139 |
| 140 |      |       |          |      |       |        | 23.2 | 232.6 | 29,700 | 140 |
| 145 |      |       |          |      |       |        | 15.8 | 218.0 | 28,200 | 145 |
| 149 |      |       |          |      |       |        | 3.7  | 193.1 | 27,000 | 149 |
| 150 |      |       |          |      |       |        |      |       |        | 150 |
| 155 |      |       |          |      |       |        |      |       |        | 155 |
| 157 |      |       |          |      |       |        |      |       |        | 157 |
| 158 |      |       |          |      |       |        |      |       |        | 158 |
| 160 |      |       |          |      |       |        |      |       |        | 160 |
| 165 |      |       |          |      |       |        |      |       |        | 165 |
| 170 |      |       |          |      |       |        |      |       |        | 170 |
| 173 |      |       |          |      |       |        |      |       |        | 173 |
| 175 |      |       |          |      |       |        |      |       |        | 175 |
| 180 |      |       |          |      |       |        |      |       |        | 180 |
| 185 |      |       |          |      |       |        |      |       |        | 185 |
| 188 |      |       |          |      |       |        |      |       |        | 188 |
| 190 |      |       |          |      |       |        |      |       |        | 190 |
| 195 |      |       |          |      |       |        |      |       |        | 195 |
| 200 |      |       |          |      |       |        |      |       |        | 200 |
| 203 |      |       |          |      |       |        |      |       |        | 203 |

# MLC250 S-2

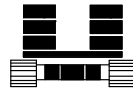
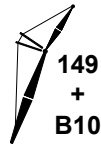
ASME B30.5



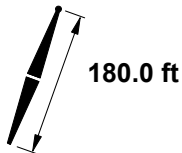
184,600 lb  
+  
44,000 lb



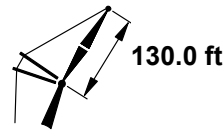
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 44  |      |       |        |      |       |        |      |       |        |      |       |        | 44  |
| 45  |      |       |        |      |       |        |      |       |        |      |       |        | 45  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  | 67.8 | 295.7 | 54,400 |      |       |        |      |       |        |      |       |        | 85  |
| 90  | 65.2 | 293.4 | 50,500 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 62.5 | 290.9 | 47,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 59.8 | 288.1 | 43,900 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 57.0 | 284.9 | 41,100 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 54.0 | 281.4 | 38,600 | 62.7 | 287.5 | 33,800 |      |       |        |      |       |        | 110 |
| 115 | 51.0 | 277.5 | 36,400 | 59.9 | 284.7 | 31,800 |      |       |        |      |       |        | 115 |
| 120 | 47.8 | 273.1 | 34,300 | 57.1 | 281.5 | 29,900 |      |       |        |      |       |        | 120 |
| 125 | 44.5 | 268.2 | 32,400 | 54.2 | 278.0 | 28,200 |      |       |        |      |       |        | 125 |
| 130 | 40.9 | 262.7 | 30,700 | 51.2 | 274.1 | 26,700 |      |       |        |      |       |        | 130 |
| 133 | 38.2 | 258.9 | 29,700 | 49.2 | 271.5 | 25,800 |      |       |        |      |       |        | 133 |
| 134 | 37.6 | 257.6 | 29,400 | 48.6 | 270.7 | 25,500 | 57.6 | 277.2 | 21,700 |      |       |        | 134 |
| 135 | 37.1 | 256.4 | 29,100 | 48.0 | 269.8 | 25,200 | 57.1 | 276.6 | 21,500 |      |       |        | 135 |
| 139 | 33.0 | 250.5 | 27,900 | 44.8 | 265.9 | 24,200 | 54.6 | 273.8 | 20,600 |      |       |        | 139 |
| 140 | 32.8 | 249.0 | 27,600 | 44.7 | 264.9 | 23,900 | 54.2 | 273.1 | 20,300 |      |       |        | 140 |
| 145 | 28.0 | 240.3 | 26,200 | 41.1 | 259.4 | 22,700 | 51.1 | 269.2 | 19,200 |      |       |        | 145 |
| 149 | 23.2 | 231.6 | 25,100 | 37.8 | 254.4 | 21,800 | 47.8 | 265.7 | 18,400 |      |       |        | 149 |
| 150 | 22.3 | 229.4 | 24,900 | 37.3 | 253.2 | 21,500 | 48.0 | 264.8 | 18,200 |      |       |        | 150 |
| 155 | 14.5 | 213.7 | 23,600 | 33.1 | 245.9 | 20,400 | 44.6 | 259.9 | 17,300 |      |       |        | 155 |
| 157 | 8.0  | 201.8 | 23,100 | 31.0 | 242.5 | 20,000 | 42.8 | 257.7 | 16,900 | 52.6 | 264.9 | 13,500 | 157 |
| 158 | 5.7  | 195.8 | 22,800 | 30.0 | 240.7 | 19,800 | 42.2 | 256.6 | 16,700 | 51.3 | 264.1 | 13,300 | 158 |
| 160 |      |       |        | 28.3 | 237.3 | 19,400 | 41.1 | 254.4 | 16,400 | 50.8 | 262.5 | 13,000 | 160 |
| 165 |      |       |        | 22.7 | 226.5 | 18,500 | 37.2 | 248.1 | 15,500 | 47.6 | 258.1 | 12,200 | 165 |
| 170 |      |       |        | 15.0 | 211.3 | 17,500 | 33.0 | 240.9 | 14,700 | 44.2 | 253.1 | 11,500 | 170 |
| 173 |      |       |        | 7.1  | 195.0 | 16,900 | 30.0 | 235.7 | 14,300 | 41.6 | 249.8 | 11,100 | 173 |
| 175 |      |       |        |      |       |        | 28.3 | 232.2 | 14,000 | 40.7 | 247.6 | 10,800 | 175 |
| 180 |      |       |        |      |       |        | 22.6 | 221.4 | 13,200 | 36.8 | 241.2 | 10,100 | 180 |
| 185 |      |       |        |      |       |        | 14.9 | 206.1 | 12,500 | 32.5 | 233.8 | 9,500  | 185 |
| 188 |      |       |        |      |       |        | 6.7  | 189.4 | 12,100 | 29.0 | 228.5 | 9,100  | 188 |
| 190 |      |       |        |      |       |        |      |       |        | 27.7 | 224.9 | 8,900  | 190 |
| 195 |      |       |        |      |       |        |      |       |        | 21.8 | 213.8 | 8,300  | 195 |
| 200 |      |       |        |      |       |        |      |       |        | 13.7 | 197.5 | 7,700  | 200 |
| 203 |      |       |        |      |       |        |      |       |        | 3.2  | 175.7 | 7,300  | 203 |



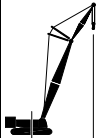
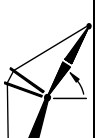
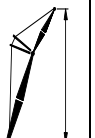
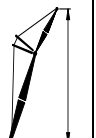
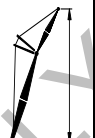
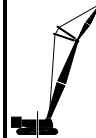
184,600 lb  
+  
44,000 lb



180.0 ft



130.0 ft

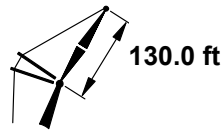
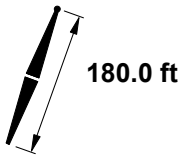
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 47                                                                                | 75.7                                                                                  | 313.6                                                                             | 58,300 <b>c</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 47                                                                                  |
| 50                                                                                | 74.3                                                                                  | 312.8                                                                             | 57,500 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 72.0                                                                                  | 311.2                                                                             | 56,900 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 57                                                                                | 70.2                                                                                  | 310.5                                                                             | 56,300 <b>b</b>                                                                   | 73.9                                                                                  | 312.2                                                                             | 67,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 57                                                                                  |
| 60                                                                                | 69.6                                                                                  | 309.4                                                                             | 55,400                                                                            | 72.6                                                                                  | 311.2                                                                             | 66,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 67.3                                                                                  | 307.4                                                                             | 53,900                                                                            | 70.2                                                                                  | 309.5                                                                             | 66,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 64.8                                                                                  | 305.1                                                                             | 52,500                                                                            | 67.9                                                                                  | 307.5                                                                             | 64,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 73                                                                                | 62.8                                                                                  | 303.6                                                                             | 51,700                                                                            | 65.8                                                                                  | 306.2                                                                             | 62,700                                                                            | 70.9                                                                                    | 309.0                                                                               | 65,800                                                                              | 73                                                                                  |
| 75                                                                                | 62.4                                                                                  | 302.6                                                                             | 51,200                                                                            | 65.4                                                                                  | 305.3                                                                             | 61,500                                                                            | 69.9                                                                                    | 308.2                                                                               | 65,700                                                                              | 75                                                                                  |
| 80                                                                                | 59.8                                                                                  | 299.7                                                                             | 48,700                                                                            | 63.0                                                                                  | 302.8                                                                             | 58,100                                                                            | 67.6                                                                                    | 306.2                                                                               | 62,800                                                                              | 80                                                                                  |
| 85                                                                                | 57.2                                                                                  | 296.6                                                                             | 45,600                                                                            | 60.5                                                                                  | 300.1                                                                             | 54,800                                                                            | 65.1                                                                                    | 304.0                                                                               | 58,000                                                                              | 85                                                                                  |
| 89                                                                                | 54.6                                                                                  | 293.8                                                                             | 43,400                                                                            | 57.6                                                                                  | 297.6                                                                             | 52,200                                                                            | 62.6                                                                                    | 302.0                                                                               | 54,600                                                                              | 89                                                                                  |
| 90                                                                                | 54.5                                                                                  | 293.1                                                                             | 42,800                                                                            | 57.9                                                                                  | 297.0                                                                             | 51,500                                                                            | 62.7                                                                                    | 301.5                                                                               | 53,800                                                                              | 90                                                                                  |
| 95                                                                                | 51.8                                                                                  | 289.3                                                                             | 40,200                                                                            | 55.2                                                                                  | 293.6                                                                             | 48,400                                                                            | 60.2                                                                                    | 298.7                                                                               | 50,100                                                                              | 95                                                                                  |
| 100                                                                               | 48.9                                                                                  | 285.1                                                                             | 37,700                                                                            | 52.5                                                                                  | 289.9                                                                             | 45,500                                                                            | 57.6                                                                                    | 295.6                                                                               | 46,800                                                                              | 100                                                                                 |
| 105                                                                               | 45.9                                                                                  | 280.4                                                                             | 35,300                                                                            | 49.6                                                                                  | 285.8                                                                             | 42,600                                                                            | 54.9                                                                                    | 292.2                                                                               | 43,900                                                                              | 105                                                                                 |
| 110                                                                               | 42.7                                                                                  | 275.2                                                                             | 33,200                                                                            | 46.6                                                                                  | 281.2                                                                             | 40,200                                                                            | 52.1                                                                                    | 288.4                                                                               | 41,200                                                                              | 110                                                                                 |
| 114                                                                               | 39.6                                                                                  | 270.4                                                                             | 31,700                                                                            | 43.6                                                                                  | 277.1                                                                             | 38,300                                                                            | 49.6                                                                                    | 285.0                                                                               | 39,300                                                                              | 114                                                                                 |
| 115                                                                               | 39.3                                                                                  | 269.3                                                                             | 31,300                                                                            | 43.5                                                                                  | 276.1                                                                             | 37,800                                                                            | 49.3                                                                                    | 284.2                                                                               | 38,800                                                                              | 115                                                                                 |
| 120                                                                               | 35.6                                                                                  | 262.6                                                                             | 29,700                                                                            | 40.2                                                                                  | 270.4                                                                             | 35,500                                                                            | 46.3                                                                                    | 279.6                                                                               | 36,600                                                                              | 120                                                                                 |
| 125                                                                               | 31.5                                                                                  | 254.9                                                                             | 28,200                                                                            | 36.6                                                                                  | 264.0                                                                             | 33,500                                                                            | 43.1                                                                                    | 274.4                                                                               | 34,600                                                                              | 125                                                                                 |
| 130                                                                               | 27.0                                                                                  | 245.8                                                                             | 27,100                                                                            | 32.6                                                                                  | 256.6                                                                             | 31,700                                                                            | 39.7                                                                                    | 268.6                                                                               | 32,800                                                                              | 130                                                                                 |
| 135                                                                               | 21.5                                                                                  | 234.3                                                                             | 26,200                                                                            | 28.2                                                                                  | 247.8                                                                             | 30,300                                                                            | 36.1                                                                                    | 262.1                                                                               | 31,100                                                                              | 135                                                                                 |
| 139                                                                               | 14.6                                                                                  | 221.4                                                                             | 25,700                                                                            | 23.2                                                                                  | 239.3                                                                             | 29,300                                                                            | 32.8                                                                                    | 256.0                                                                               | 29,800                                                                              | 139                                                                                 |
| 140                                                                               | 14.0                                                                                  | 218.1                                                                             | 25,600                                                                            | 23.0                                                                                  | 237.1                                                                             | 29,000                                                                            | 32.1                                                                                    | 254.5                                                                               | 29,500                                                                              | 140                                                                                 |
| 143                                                                               | 5.8                                                                                   | 199.8                                                                             | 25,600                                                                            | 18.4                                                                                  | 228.4                                                                             | 28,500                                                                            | 29.0                                                                                    | 249.2                                                                               | 28,600                                                                              | 143                                                                                 |
| 145                                                                               |                                                                                       |                                                                                   |                                                                                   | 16.2                                                                                  | 222.6                                                                             | 28,200                                                                            | 27.6                                                                                    | 245.6                                                                               | 28,000                                                                              | 145                                                                                 |
| 149                                                                               |                                                                                       |                                                                                   |                                                                                   | 7.0                                                                                   | 202.1                                                                             | 28,200                                                                            | 23.0                                                                                    | 236.8                                                                               | 26,900                                                                              | 149                                                                                 |
| 150                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 22.2                                                                                    | 234.5                                                                               | 26,600                                                                              | 150                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 15.1                                                                                    | 219.3                                                                               | 25,300                                                                              | 155                                                                                 |
| 159                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.6                                                                                     | 193.3                                                                               | 24,200                                                                              | 159                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 160                                                                                 |
| 163                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 163                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 165                                                                                 |
| 168                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 168                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 183                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 183                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 198                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 213                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 213                                                                                 |

# MLC250 S-2

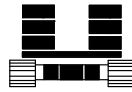
ASME B30.5



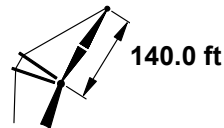
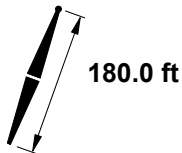
184,600 lb  
+  
44,000 lb

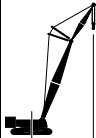
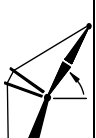
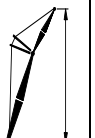
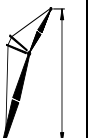


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 47  |      |       |        |      |       |        |      |       |        |      |       |        | 47  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 57  |      |       |        |      |       |        |      |       |        |      |       |        | 57  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 73  |      |       |        |      |       |        |      |       |        |      |       |        | 73  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 89  | 67.7 | 304.8 | 50,800 |      |       |        |      |       |        |      |       |        | 89  |
| 90  | 67.2 | 304.4 | 50,100 |      |       |        |      |       |        |      |       |        | 90  |
| 95  | 64.8 | 302.1 | 46,600 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 62.3 | 299.6 | 43,500 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 59.8 | 296.8 | 40,700 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 57.2 | 293.6 | 38,300 |      |       |        |      |       |        |      |       |        | 110 |
| 114 | 54.6 | 290.8 | 36,400 | 63.0 | 296.7 | 31,700 |      |       |        |      |       |        | 114 |
| 115 | 54.5 | 290.2 | 36,000 | 62.5 | 296.2 | 31,300 |      |       |        |      |       |        | 115 |
| 120 | 51.7 | 286.3 | 33,900 | 59.9 | 293.3 | 29,500 |      |       |        |      |       |        | 120 |
| 125 | 48.8 | 282.1 | 32,000 | 57.3 | 290.2 | 27,800 |      |       |        |      |       |        | 125 |
| 130 | 45.8 | 277.4 | 30,300 | 54.7 | 286.8 | 26,300 |      |       |        |      |       |        | 130 |
| 135 | 42.6 | 272.1 | 28,700 | 51.9 | 283.0 | 24,800 |      |       |        |      |       |        | 135 |
| 139 | 39.6 | 267.4 | 27,500 | 49.4 | 279.6 | 23,800 | 57.8 | 285.9 | 20,100 |      |       |        | 139 |
| 140 | 39.2 | 266.3 | 27,200 | 49.0 | 278.8 | 23,500 | 57.3 | 285.3 | 19,900 |      |       |        | 140 |
| 143 | 36.6 | 262.3 | 26,400 | 47.2 | 275.9 | 22,800 | 55.2 | 283.2 | 19,200 |      |       |        | 143 |
| 145 | 35.5 | 259.6 | 25,900 | 46.0 | 274.1 | 22,300 | 54.6 | 281.8 | 18,800 |      |       |        | 145 |
| 149 | 31.8 | 253.4 | 24,800 | 42.8 | 269.9 | 21,400 | 51.6 | 278.8 | 18,000 |      |       |        | 149 |
| 150 | 31.5 | 251.9 | 24,600 | 42.8 | 268.9 | 21,200 | 51.9 | 278.0 | 17,800 |      |       |        | 150 |
| 155 | 26.9 | 242.7 | 23,400 | 39.4 | 263.0 | 20,100 | 49.0 | 273.8 | 16,800 |      |       |        | 155 |
| 159 | 22.0 | 233.5 | 22,500 | 35.8 | 257.7 | 19,300 | 45.6 | 270.0 | 16,100 |      |       |        | 159 |
| 160 | 21.4 | 231.2 | 22,200 | 35.8 | 256.4 | 19,100 | 46.0 | 269.1 | 16,000 |      |       |        | 160 |
| 163 | 16.2 | 221.5 | 21,600 | 32.6 | 251.8 | 18,500 | 43.2 | 266.0 | 15,500 | 52.7 | 272.9 | 11,900 | 163 |
| 165 | 13.9 | 214.9 | 21,100 | 31.7 | 248.8 | 18,100 | 42.8 | 263.9 | 15,100 | 51.5 | 271.3 | 11,600 | 165 |
| 168 | 5.5  | 196.2 | 20,500 | 28.6 | 243.3 | 17,600 | 40.2 | 260.4 | 14,700 | 49.2 | 268.8 | 11,100 | 168 |
| 170 |      |       |        | 27.2 | 239.7 | 17,300 | 39.4 | 258.0 | 14,300 | 48.6 | 267.1 | 10,800 | 170 |
| 175 |      |       |        | 21.7 | 228.4 | 16,400 | 35.7 | 251.4 | 13,600 | 45.6 | 262.3 | 10,200 | 175 |
| 180 |      |       |        | 14.4 | 212.5 | 15,600 | 31.7 | 243.7 | 12,900 | 42.4 | 257.1 | 9,500  | 180 |
| 183 |      |       |        | 6.8  | 195.6 | 15,100 | 28.0 | 237.6 | 12,500 | 39.9 | 253.2 | 9,200  | 183 |
| 190 |      |       |        |      |       |        | 21.6 | 223.3 | 11,600 | 35.3 | 244.4 | 8,300  | 190 |
| 198 |      |       |        |      |       |        | 6.5  | 189.9 | 10,400 | 27.8 | 230.7 | 7,400  | 198 |
| 200 |      |       |        |      |       |        |      |       |        | 26.5 | 227.3 | 7,200  | 200 |
| 210 |      |       |        |      |       |        |      |       |        | 13.1 | 198.7 | 6,100  | 210 |
| 213 |      |       |        |      |       |        |      |       |        | 3.0  | 175.9 | 5,800  | 213 |



184,600 lb  
+  
44,000 lb



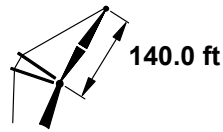
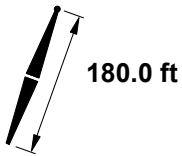
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 49                                                                                | 75.9                                                                                  | 323.4                                                                             | 53,600 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 49                                                                                  |
| 50                                                                                | 75.4                                                                                  | 323.2                                                                             | 53,600 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 50                                                                                  |
| 55                                                                                | 73.3                                                                                  | 321.7                                                                             | 52,200 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 71.1                                                                                  | 320.1                                                                             | 51,700                                                                            | 73.8                                                                                  | 321.7                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 69.0                                                                                  | 318.2                                                                             | 50,400                                                                            | 71.7                                                                                  | 320.1                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 70                                                                                | 66.7                                                                                  | 316.1                                                                             | 49,200                                                                            | 69.5                                                                                  | 318.3                                                                             | 59,000                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 64.5                                                                                  | 313.8                                                                             | 47,300                                                                            | 67.3                                                                                  | 316.3                                                                             | 58,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 76                                                                                | 63.6                                                                                  | 313.3                                                                             | 47,200                                                                            | 66.6                                                                                  | 315.8                                                                             | 58,300                                                                            | 71.0                                                                                    | 318.5                                                                               | 59,000                                                                              | 76                                                                                  |
| 80                                                                                | 62.2                                                                                  | 311.2                                                                             | 46,900                                                                            | 65.1                                                                                  | 314.0                                                                             | 56,000                                                                            | 69.2                                                                                    | 317.0                                                                               | 59,000                                                                              | 80                                                                                  |
| 85                                                                                | 59.8                                                                                  | 308.4                                                                             | 44,500                                                                            | 62.8                                                                                  | 311.5                                                                             | 53,100                                                                            | 67.0                                                                                    | 315.0                                                                               | 57,500                                                                              | 85                                                                                  |
| 90                                                                                | 57.4                                                                                  | 305.3                                                                             | 41,800                                                                            | 60.4                                                                                  | 308.7                                                                             | 50,200                                                                            | 64.8                                                                                    | 312.7                                                                               | 53,300                                                                              | 90                                                                                  |
| 93                                                                                | 55.2                                                                                  | 303.2                                                                             | 40,300                                                                            | 58.8                                                                                  | 306.9                                                                             | 48,500                                                                            | 62.8                                                                                    | 311.1                                                                               | 51,100                                                                              | 93                                                                                  |
| 95                                                                                | 54.9                                                                                  | 301.9                                                                             | 39,300                                                                            | 58.0                                                                                  | 305.7                                                                             | 47,400                                                                            | 62.5                                                                                    | 310.1                                                                               | 49,600                                                                              | 95                                                                                  |
| 100                                                                               | 52.4                                                                                  | 298.1                                                                             | 37,000                                                                            | 55.6                                                                                  | 302.4                                                                             | 44,700                                                                            | 60.1                                                                                    | 307.3                                                                               | 46,300                                                                              | 100                                                                                 |
| 105                                                                               | 49.7                                                                                  | 294.0                                                                             | 34,900                                                                            | 53.0                                                                                  | 298.7                                                                             | 42,000                                                                            | 57.7                                                                                    | 304.3                                                                               | 43,400                                                                              | 105                                                                                 |
| 110                                                                               | 47.0                                                                                  | 289.5                                                                             | 32,700                                                                            | 50.4                                                                                  | 294.7                                                                             | 39,600                                                                            | 55.3                                                                                    | 300.9                                                                               | 40,700                                                                              | 110                                                                                 |
| 115                                                                               | 44.1                                                                                  | 284.5                                                                             | 30,800                                                                            | 47.7                                                                                  | 290.3                                                                             | 37,200                                                                            | 52.7                                                                                    | 297.2                                                                               | 38,300                                                                              | 115                                                                                 |
| 119                                                                               | 41.6                                                                                  | 280.0                                                                             | 29,500                                                                            | 44.6                                                                                  | 286.3                                                                             | 35,600                                                                            | 50.4                                                                                    | 293.9                                                                               | 36,600                                                                              | 119                                                                                 |
| 120                                                                               | 41.0                                                                                  | 278.9                                                                             | 29,100                                                                            | 44.8                                                                                  | 285.4                                                                             | 35,200                                                                            | 50.1                                                                                    | 293.1                                                                               | 36,100                                                                              | 120                                                                                 |
| 125                                                                               | 37.8                                                                                  | 272.7                                                                             | 27,600                                                                            | 41.8                                                                                  | 280.0                                                                             | 33,200                                                                            | 47.3                                                                                    | 288.6                                                                               | 34,100                                                                              | 125                                                                                 |
| 130                                                                               | 34.2                                                                                  | 265.7                                                                             | 26,300                                                                            | 38.6                                                                                  | 274.0                                                                             | 31,300                                                                            | 44.5                                                                                    | 283.7                                                                               | 32,300                                                                              | 130                                                                                 |
| 135                                                                               | 30.4                                                                                  | 257.6                                                                             | 25,100                                                                            | 35.2                                                                                  | 267.2                                                                             | 29,700                                                                            | 41.4                                                                                    | 278.2                                                                               | 30,600                                                                              | 135                                                                                 |
| 140                                                                               | 25.9                                                                                  | 248.1                                                                             | 24,100                                                                            | 31.4                                                                                  | 259.4                                                                             | 28,200                                                                            | 38.2                                                                                    | 272.1                                                                               | 29,000                                                                              | 140                                                                                 |
| 144                                                                               | 21.0                                                                                  | 238.5                                                                             | 23,500                                                                            | 27.8                                                                                  | 252.1                                                                             | 27,200                                                                            | 34.8                                                                                    | 266.6                                                                               | 27,900                                                                              | 144                                                                                 |
| 145                                                                               | 20.6                                                                                  | 236.1                                                                             | 23,400                                                                            | 27.1                                                                                  | 250.3                                                                             | 27,000                                                                            | 34.7                                                                                    | 265.2                                                                               | 27,600                                                                              | 145                                                                                 |
| 150                                                                               | 13.4                                                                                  | 219.3                                                                             | 23,200                                                                            | 22.1                                                                                  | 239.1                                                                             | 26,000                                                                            | 30.9                                                                                    | 257.3                                                                               | 26,200                                                                              | 150                                                                                 |
| 153                                                                               | 5.6                                                                                   | 200.2                                                                             | 23,200                                                                            | 17.8                                                                                  | 230.0                                                                             | 25,600                                                                            | 27.6                                                                                    | 251.7                                                                               | 25,500                                                                              | 153                                                                                 |
| 155                                                                               |                                                                                       |                                                                                   |                                                                                   | 15.6                                                                                  | 224.0                                                                             | 25,400                                                                            | 26.5                                                                                    | 248.0                                                                               | 25,000                                                                              | 155                                                                                 |
| 159                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.7                                                                                   | 202.6                                                                             | 25,400                                                                            | 22.0                                                                                    | 238.7                                                                               | 24,000                                                                              | 159                                                                                 |
| 160                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 21.4                                                                                    | 236.4                                                                               | 23,800                                                                              | 160                                                                                 |
| 165                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 14.6                                                                                    | 220.5                                                                               | 22,600                                                                              | 165                                                                                 |
| 169                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.4                                                                                     | 193.6                                                                               | 21,700                                                                              | 169                                                                                 |
| 170                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 170                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 175                                                                                 |
| 178                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 178                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 185                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 193                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 193                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |

# MLC250 S-2

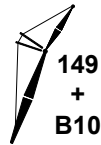
ASME B30.5



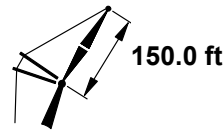
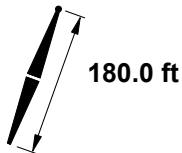
184,600 lb  
+  
44,000 lb

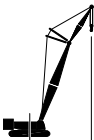
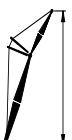


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft   | lb    | ft     |     |
| 49  |      |       |        |      |       |        |      |       |        |      |       |        | 49  |
| 50  |      |       |        |      |       |        |      |       |        |      |       |        | 50  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |        | 75  |
| 76  |      |       |        |      |       |        |      |       |        |      |       |        | 76  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |        | 90  |
| 93  | 67.6 | 314.0 | 47,400 |      |       |        |      |       |        |      |       |        | 93  |
| 95  | 66.7 | 313.1 | 46,000 |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 64.5 | 310.8 | 42,900 |      |       |        |      |       |        |      |       |        | 100 |
| 105 | 62.2 | 308.3 | 40,200 |      |       |        |      |       |        |      |       |        | 105 |
| 110 | 59.8 | 305.4 | 37,700 |      |       |        |      |       |        |      |       |        | 110 |
| 115 | 57.4 | 302.3 | 35,400 |      |       |        |      |       |        |      |       |        | 115 |
| 119 | 54.6 | 299.6 | 33,800 | 62.8 | 305.3 | 29,200 |      |       |        |      |       |        | 119 |
| 120 | 54.9 | 298.9 | 33,400 | 62.3 | 304.8 | 28,900 |      |       |        |      |       |        | 120 |
| 125 | 52.4 | 295.1 | 31,500 | 59.9 | 302.0 | 27,200 |      |       |        |      |       |        | 125 |
| 130 | 49.7 | 291.0 | 29,800 | 57.5 | 298.9 | 25,700 |      |       |        |      |       |        | 130 |
| 135 | 46.9 | 286.5 | 28,200 | 55.1 | 295.5 | 24,300 |      |       |        |      |       |        | 135 |
| 140 | 44.1 | 281.5 | 26,700 | 52.5 | 291.8 | 22,900 |      |       |        |      |       |        | 140 |
| 144 | 40.8 | 277.0 | 25,700 | 49.6 | 288.5 | 22,000 | 58.0 | 294.6 | 18,400 |      |       |        | 144 |
| 145 | 41.0 | 275.9 | 25,400 | 49.9 | 287.7 | 21,700 | 57.5 | 293.9 | 18,100 |      |       |        | 145 |
| 150 | 37.7 | 269.7 | 24,100 | 47.1 | 283.2 | 20,600 | 55.0 | 290.5 | 17,100 |      |       |        | 150 |
| 153 | 35.2 | 265.5 | 23,400 | 45.2 | 280.2 | 20,000 | 53.2 | 288.3 | 16,600 |      |       |        | 153 |
| 155 | 34.2 | 262.7 | 22,900 | 44.2 | 278.2 | 19,500 | 52.5 | 286.8 | 16,200 |      |       |        | 155 |
| 159 | 30.8 | 256.2 | 22,000 | 41.6 | 273.8 | 18,800 | 49.6 | 283.5 | 15,500 |      |       |        | 159 |
| 160 | 30.3 | 254.6 | 21,800 | 41.2 | 272.7 | 18,600 | 49.8 | 282.7 | 15,300 |      |       |        | 160 |
| 165 | 25.9 | 245.0 | 20,800 | 37.9 | 266.5 | 17,600 | 47.1 | 278.2 | 14,500 |      |       |        | 165 |
| 169 | 21.0 | 235.4 | 20,000 | 34.6 | 260.9 | 16,900 | 44.6 | 274.2 | 13,900 | 52.7 | 280.9 | 10,000 | 169 |
| 170 | 20.6 | 233.0 | 19,800 | 34.4 | 259.5 | 16,700 | 44.2 | 273.2 | 13,700 | 52.2 | 280.2 | 9,900  | 170 |
| 175 | 13.3 | 216.1 | 18,800 | 30.5 | 251.5 | 15,900 | 41.1 | 267.7 | 12,900 | 49.5 | 276.0 | 9,200  | 175 |
| 178 | 5.3  | 196.6 | 18,200 | 27.6 | 245.8 | 15,400 | 38.6 | 263.9 | 12,500 | 47.2 | 273.3 | 8,900  | 178 |
| 180 |      |       |        | 26.2 | 242.0 | 15,100 | 37.9 | 261.5 | 12,200 | 46.7 | 271.4 | 8,600  | 180 |
| 185 |      |       |        | 20.9 | 230.2 | 14,400 | 34.3 | 254.5 | 11,500 | 43.8 | 266.4 | 8,000  | 185 |
| 190 |      |       |        | 13.9 | 213.7 | 13,600 | 30.5 | 246.4 | 10,800 | 40.8 | 260.8 | 7,400  | 190 |
| 193 |      |       |        | 6.5  | 196.1 | 13,200 | 27.6 | 240.7 | 10,400 | 38.2 | 257.0 | 7,100  | 193 |
| 195 |      |       |        |      |       |        | 26.1 | 236.9 | 10,200 | 37.5 | 254.5 | 6,900  | 195 |
| 200 |      |       |        |      |       |        | 20.8 | 225.1 | 9,500  | 33.9 | 247.4 | 6,400  | 200 |
| 205 |      |       |        |      |       |        | 13.7 | 208.5 | 8,900  | 30.0 | 239.3 | 5,900  | 205 |
| 208 |      |       |        |      |       |        | 6.2  | 190.4 | 8,500  | 27.0 | 233.4 | 5,600  | 208 |
| 210 |      |       |        |      |       |        |      |       |        | 25.5 | 229.5 | 5,400  | 210 |



184,600 lb  
+  
44,000 lb



|                                                                                      |  88° |                                                                                      |                                                                                      |  86° |                                                                                      |                                                                                      |  83° |                                                                                        |                                                                                        |                                                                                        |
|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
|  ft |  °   |  ft |  lb |  °   |  ft |  lb |  °    |  ft |  lb |  ft |
| 51                                                                                   | 76.0                                                                                  | 333.2                                                                                | 49,500 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 51                                                                                     |
| 55                                                                                   | 74.4                                                                                  | 332.2                                                                                | 49,200 <b>b</b>                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 55                                                                                     |
| 60                                                                                   | 72.5                                                                                  | 330.6                                                                                | 48,300                                                                               |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 60                                                                                     |
| 63                                                                                   | 70.8                                                                                  | 329.6                                                                                | 47,700                                                                               | 73.8                                                                                  | 331.2                                                                                | 57,000                                                                               |                                                                                         |                                                                                        |                                                                                        | 63                                                                                     |
| 65                                                                                   | 70.4                                                                                  | 328.9                                                                                | 47,200                                                                               | 73.0                                                                                  | 330.6                                                                                | 56,800                                                                               |                                                                                         |                                                                                        |                                                                                        | 65                                                                                     |
| 70                                                                                   | 68.4                                                                                  | 327.0                                                                                | 45,400                                                                               | 70.9                                                                                  | 328.9                                                                                | 56,200                                                                               |                                                                                         |                                                                                        |                                                                                        | 70                                                                                     |
| 75                                                                                   | 66.3                                                                                  | 324.8                                                                                | 45,100                                                                               | 68.9                                                                                  | 327.1                                                                                | 55,300                                                                               |                                                                                         |                                                                                        |                                                                                        | 75                                                                                     |
| 80                                                                                   | 64.2                                                                                  | 322.5                                                                                | 43,400                                                                               | 66.8                                                                                  | 325.0                                                                                | 53,500                                                                               | 70.7                                                                                    | 327.7                                                                                  | 55,400                                                                                 | 80                                                                                     |
| 85                                                                                   | 62.0                                                                                  | 319.9                                                                                | 43,000                                                                               | 64.7                                                                                  | 322.7                                                                                | 51,000                                                                               | 68.6                                                                                    | 325.8                                                                                  | 55,400                                                                                 | 85                                                                                     |
| 90                                                                                   | 59.8                                                                                  | 317.0                                                                                | 40,600                                                                               | 62.6                                                                                  | 320.2                                                                                | 48,400                                                                               | 66.6                                                                                    | 323.7                                                                                  | 53,100                                                                                 | 90                                                                                     |
| 95                                                                                   | 57.6                                                                                  | 314.0                                                                                | 38,200                                                                               | 60.4                                                                                  | 317.4                                                                                | 45,900                                                                               | 64.5                                                                                    | 321.4                                                                                  | 49,400                                                                                 | 95                                                                                     |
| 96                                                                                   | 56.6                                                                                  | 313.3                                                                                | 37,700                                                                               | 59.6                                                                                  | 316.8                                                                                | 45,400                                                                               | 63.6                                                                                    | 320.8                                                                                  | 48,800                                                                                 | 96                                                                                     |
| 100                                                                                  | 55.3                                                                                  | 310.6                                                                                | 36,000                                                                               | 58.2                                                                                  | 314.4                                                                                | 43,400                                                                               | 62.3                                                                                    | 318.8                                                                                  | 46,100                                                                                 | 100                                                                                    |
| 105                                                                                  | 52.9                                                                                  | 306.9                                                                                | 33,900                                                                               | 55.9                                                                                  | 311.1                                                                                | 41,000                                                                               | 60.1                                                                                    | 316.0                                                                                  | 43,200                                                                                 | 105                                                                                    |
| 110                                                                                  | 50.5                                                                                  | 302.9                                                                                | 32,000                                                                               | 53.5                                                                                  | 307.4                                                                                | 38,600                                                                               | 57.9                                                                                    | 312.9                                                                                  | 40,500                                                                                 | 110                                                                                    |
| 115                                                                                  | 47.9                                                                                  | 298.5                                                                                | 30,200                                                                               | 51.1                                                                                  | 303.5                                                                                | 36,500                                                                               | 55.6                                                                                    | 309.6                                                                                  | 38,200                                                                                 | 115                                                                                    |
| 120                                                                                  | 45.3                                                                                  | 293.7                                                                                | 28,400                                                                               | 48.6                                                                                  | 299.2                                                                                | 34,400                                                                               | 53.2                                                                                    | 306.0                                                                                  | 36,000                                                                                 | 120                                                                                    |
| 123                                                                                  | 43.2                                                                                  | 290.5                                                                                | 27,500                                                                               | 46.2                                                                                  | 296.4                                                                                | 33,300                                                                               | 51.2                                                                                    | 303.6                                                                                  | 34,800                                                                                 | 123                                                                                    |
| 125                                                                                  | 42.5                                                                                  | 288.4                                                                                | 26,900                                                                               | 46.0                                                                                  | 294.5                                                                                | 32,500                                                                               | 50.8                                                                                    | 302.0                                                                                  | 34,000                                                                                 | 125                                                                                    |
| 130                                                                                  | 39.6                                                                                  | 282.5                                                                                | 25,500                                                                               | 43.2                                                                                  | 289.4                                                                                | 30,800                                                                               | 48.3                                                                                    | 297.6                                                                                  | 32,100                                                                                 | 130                                                                                    |
| 135                                                                                  | 36.4                                                                                  | 276.0                                                                                | 24,300                                                                               | 40.3                                                                                  | 283.7                                                                                | 29,100                                                                               | 45.6                                                                                    | 292.9                                                                                  | 30,500                                                                                 | 135                                                                                    |
| 140                                                                                  | 33.0                                                                                  | 268.7                                                                                | 23,200                                                                               | 37.2                                                                                  | 277.3                                                                                | 27,600                                                                               | 42.9                                                                                    | 287.7                                                                                  | 28,900                                                                                 | 140                                                                                    |
| 145                                                                                  | 29.3                                                                                  | 260.2                                                                                | 22,300                                                                               | 33.9                                                                                  | 270.2                                                                                | 26,300                                                                               | 39.9                                                                                    | 281.9                                                                                  | 27,500                                                                                 | 145                                                                                    |
| 150                                                                                  | 25.0                                                                                  | 250.3                                                                                | 21,400                                                                               | 30.3                                                                                  | 262.1                                                                                | 25,000                                                                               | 36.8                                                                                    | 275.5                                                                                  | 26,100                                                                                 | 150                                                                                    |
| 155                                                                                  | 19.9                                                                                  | 237.9                                                                                | 20,900                                                                               | 26.2                                                                                  | 252.6                                                                                | 24,100                                                                               | 33.5                                                                                    | 268.2                                                                                  | 24,800                                                                                 | 155                                                                                    |
| 160                                                                                  | 13.0                                                                                  | 220.4                                                                                | 20,600                                                                               | 21.3                                                                                  | 240.9                                                                                | 23,300                                                                               | 29.8                                                                                    | 260.0                                                                                  | 23,700                                                                                 | 160                                                                                    |
| 163                                                                                  | 5.3                                                                                   | 200.7                                                                                | 20,600                                                                               | 17.4                                                                                  | 231.5                                                                                | 22,900                                                                               | 26.6                                                                                    | 254.1                                                                                  | 23,000                                                                                 | 163                                                                                    |
| 165                                                                                  |                                                                                       |                                                                                      |                                                                                      | 15.0                                                                                  | 225.3                                                                                | 22,700                                                                               | 25.6                                                                                    | 250.2                                                                                  | 22,600                                                                                 | 165                                                                                    |
| 169                                                                                  |                                                                                       |                                                                                      |                                                                                      | 6.4                                                                                   | 203.1                                                                                | 22,700                                                                               | 21.0                                                                                    | 240.6                                                                                  | 21,700                                                                                 | 169                                                                                    |
| 170                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 20.6                                                                                    | 238.2                                                                                  | 21,500                                                                                 | 170                                                                                    |
| 175                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 14.0                                                                                    | 221.7                                                                                  | 20,500                                                                                 | 175                                                                                    |
| 179                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      | 3.3                                                                                     | 193.8                                                                                  | 19,600                                                                                 | 179                                                                                    |
| 180                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 180                                                                                    |
| 185                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 185                                                                                    |
| 188                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 188                                                                                    |
| 190                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 190                                                                                    |
| 195                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 195                                                                                    |
| 200                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 200                                                                                    |
| 203                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 203                                                                                    |
| 205                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 205                                                                                    |
| 210                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 210                                                                                    |
| 215                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 215                                                                                    |
| 218                                                                                  |                                                                                       |                                                                                      |                                                                                      |                                                                                       |                                                                                      |                                                                                      |                                                                                         |                                                                                        |                                                                                        | 218                                                                                    |

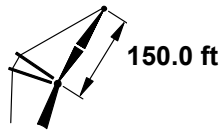
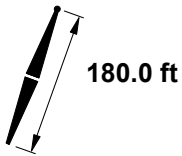


# MLC250 S-2

ASME B30.5



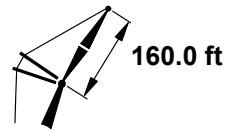
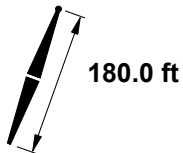
184,600 lb  
+  
44,000 lb

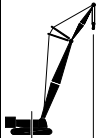
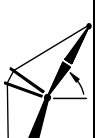
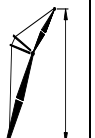
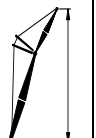
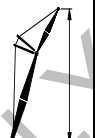
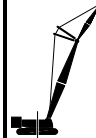


|     | 80°  |       |        | 75°  |       |        | 70°  |       |        | 65°  |       |       |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|------|-------|-------|-----|
|     |      |       |        |      |       |        |      |       |        |      |       |       |     |
| ft  | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb     | ft   | ft    | lb    | ft  |
| 51  |      |       |        |      |       |        |      |       |        |      |       |       | 51  |
| 55  |      |       |        |      |       |        |      |       |        |      |       |       | 55  |
| 60  |      |       |        |      |       |        |      |       |        |      |       |       | 60  |
| 63  |      |       |        |      |       |        |      |       |        |      |       |       | 63  |
| 65  |      |       |        |      |       |        |      |       |        |      |       |       | 65  |
| 70  |      |       |        |      |       |        |      |       |        |      |       |       | 70  |
| 75  |      |       |        |      |       |        |      |       |        |      |       |       | 75  |
| 80  |      |       |        |      |       |        |      |       |        |      |       |       | 80  |
| 85  |      |       |        |      |       |        |      |       |        |      |       |       | 85  |
| 90  |      |       |        |      |       |        |      |       |        |      |       |       | 90  |
| 95  |      |       |        |      |       |        |      |       |        |      |       |       | 95  |
| 96  | 67.9 | 323.6 | 45,200 |      |       |        |      |       |        |      |       |       | 96  |
| 100 | 66.3 | 321.9 | 42,800 |      |       |        |      |       |        |      |       |       | 100 |
| 105 | 64.2 | 319.5 | 40,000 |      |       |        |      |       |        |      |       |       | 105 |
| 110 | 62.0 | 316.9 | 37,500 |      |       |        |      |       |        |      |       |       | 110 |
| 115 | 59.8 | 314.1 | 35,300 |      |       |        |      |       |        |      |       |       | 115 |
| 120 | 57.6 | 311.0 | 33,200 |      |       |        |      |       |        |      |       |       | 120 |
| 123 | 55.8 | 308.9 | 32,100 | 63.0 | 314.5 | 27,700 |      |       |        |      |       |       | 123 |
| 125 | 55.3 | 307.6 | 31,300 | 62.1 | 313.5 | 27,000 |      |       |        |      |       |       | 125 |
| 130 | 52.9 | 303.9 | 29,600 | 60.0 | 310.7 | 25,500 |      |       |        |      |       |       | 130 |
| 135 | 50.4 | 299.9 | 28,000 | 57.7 | 307.6 | 24,100 |      |       |        |      |       |       | 135 |
| 140 | 47.9 | 295.5 | 26,600 | 55.4 | 304.2 | 22,800 |      |       |        |      |       |       | 140 |
| 145 | 45.3 | 290.7 | 25,200 | 53.0 | 300.5 | 21,500 |      |       |        |      |       |       | 145 |
| 150 | 42.5 | 285.4 | 24,000 | 50.6 | 296.5 | 20,400 | 57.7 | 302.6 | 17,000 |      |       |       | 150 |
| 155 | 39.5 | 279.5 | 22,800 | 48.1 | 292.2 | 19,400 | 55.4 | 299.2 | 16,000 |      |       |       | 155 |
| 160 | 36.4 | 273.0 | 21,700 | 45.4 | 287.4 | 18,400 | 53.0 | 295.6 | 15,100 |      |       |       | 160 |
| 163 | 33.6 | 268.6 | 21,100 | 43.2 | 284.2 | 17,800 | 50.8 | 293.2 | 14,600 |      |       |       | 163 |
| 165 | 33.0 | 265.6 | 20,600 | 42.6 | 282.1 | 17,500 | 50.5 | 291.6 | 14,200 |      |       |       | 165 |
| 169 | 29.6 | 258.9 | 19,900 | 39.6 | 277.4 | 16,800 | 48.4 | 288.0 | 13,600 |      |       |       | 169 |
| 170 | 29.2 | 257.2 | 19,700 | 39.7 | 276.3 | 16,600 | 48.0 | 287.2 | 13,400 |      |       |       | 170 |
| 175 | 25.0 | 247.2 | 18,700 | 36.6 | 269.8 | 15,800 | 45.4 | 282.4 | 12,600 | 52.7 | 288.9 | 8,900 | 175 |
| 179 | 20.0 | 237.3 | 18,000 | 33.6 | 264.0 | 15,200 | 42.6 | 278.2 | 12,000 | 50.4 | 285.7 | 8,400 | 179 |
| 180 | 19.9 | 234.8 | 17,900 | 33.2 | 262.5 | 15,000 | 42.6 | 277.1 | 11,900 | 50.3 | 284.9 | 8,300 | 180 |
| 185 | 12.9 | 217.2 | 17,000 | 29.5 | 254.1 | 14,300 | 39.7 | 271.3 | 11,200 | 47.7 | 280.5 | 7,700 | 185 |
| 188 | 5.1  | 197.0 | 16,400 | 26.6 | 248.2 | 13,800 | 37.2 | 267.4 | 10,800 | 45.8 | 277.6 | 7,400 | 188 |
| 190 |      |       |        | 25.2 | 244.2 | 13,600 | 36.5 | 264.8 | 10,600 | 45.1 | 275.6 | 7,200 | 190 |
| 195 |      |       |        | 20.2 | 232.0 | 12,900 | 33.1 | 257.5 | 9,900  | 42.3 | 270.3 | 6,600 | 195 |
| 200 |      |       |        | 13.4 | 214.9 | 12,200 | 29.4 | 249.1 | 9,300  | 39.3 | 264.4 | 6,100 | 200 |
| 203 |      |       |        | 6.3  | 196.6 | 11,800 | 26.6 | 243.1 | 9,000  | 37.2 | 260.4 | 5,800 | 203 |
| 205 |      |       |        |      |       |        | 25.2 | 239.2 | 8,700  | 36.2 | 257.8 | 5,600 | 205 |
| 210 |      |       |        |      |       |        | 20.1 | 226.9 | 8,200  | 32.7 | 250.4 | 5,200 | 210 |
| 215 |      |       |        |      |       |        | 13.2 | 209.6 | 7,600  |      |       |       | 215 |
| 218 |      |       |        |      |       |        | 6.0  | 190.9 | 7,300  |      |       |       | 218 |



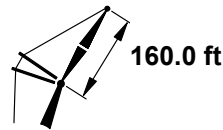
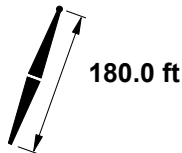
184,600 lb  
+  
44,000 lb



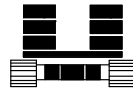
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 54                                                                                | 75.8                                                                                  | 342.8                                                                             | 45,800 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 54                                                                                  |
| 55                                                                                | 75.4                                                                                  | 342.5                                                                             | 45,700 <b>b</b>                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 55                                                                                  |
| 60                                                                                | 73.6                                                                                  | 341.1                                                                             | 45,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 71.7                                                                                  | 339.5                                                                             | 44,100                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 66                                                                                | 70.6                                                                                  | 339.1                                                                             | 43,900                                                                            | 73.7                                                                                  | 340.8                                                                             | 52,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 66                                                                                  |
| 70                                                                                | 69.8                                                                                  | 337.7                                                                             | 43,200                                                                            | 72.2                                                                                  | 339.5                                                                             | 52,100                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 67.9                                                                                  | 335.7                                                                             | 42,200                                                                            | 70.3                                                                                  | 337.8                                                                             | 51,600                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 65.9                                                                                  | 333.5                                                                             | 41,300                                                                            | 68.4                                                                                  | 335.8                                                                             | 50,700                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 83                                                                                | 63.8                                                                                  | 332.1                                                                             | 40,800                                                                            | 66.8                                                                                  | 334.6                                                                             | 49,400                                                                            | 70.8                                                                                    | 337.2                                                                               | 50,900                                                                              | 83                                                                                  |
| 85                                                                                | 63.9                                                                                  | 331.2                                                                             | 40,500                                                                            | 66.4                                                                                  | 333.7                                                                             | 48,600                                                                            | 70.0                                                                                    | 336.5                                                                               | 50,900                                                                              | 85                                                                                  |
| 90                                                                                | 61.9                                                                                  | 328.5                                                                             | 39,100                                                                            | 64.4                                                                                  | 331.4                                                                             | 46,400                                                                            | 68.1                                                                                    | 334.6                                                                               | 50,900                                                                              | 90                                                                                  |
| 95                                                                                | 59.9                                                                                  | 325.7                                                                             | 36,900                                                                            | 62.4                                                                                  | 328.8                                                                             | 44,200                                                                            | 66.2                                                                                    | 332.4                                                                               | 48,900                                                                              | 95                                                                                  |
| 100                                                                               | 57.8                                                                                  | 322.6                                                                             | 34,900                                                                            | 60.4                                                                                  | 326.0                                                                             | 41,900                                                                            | 64.2                                                                                    | 330.0                                                                               | 45,600                                                                              | 100                                                                                 |
| 105                                                                               | 55.6                                                                                  | 319.3                                                                             | 32,900                                                                            | 58.3                                                                                  | 323.0                                                                             | 39,800                                                                            | 62.2                                                                                    | 327.5                                                                               | 42,700                                                                              | 105                                                                                 |
| 110                                                                               | 53.4                                                                                  | 315.7                                                                             | 31,100                                                                            | 56.2                                                                                  | 319.7                                                                             | 37,600                                                                            | 60.1                                                                                    | 324.7                                                                               | 40,100                                                                              | 110                                                                                 |
| 115                                                                               | 51.1                                                                                  | 311.7                                                                             | 29,400                                                                            | 54.0                                                                                  | 316.2                                                                             | 35,600                                                                            | 58.0                                                                                    | 321.6                                                                               | 37,700                                                                              | 115                                                                                 |
| 120                                                                               | 48.8                                                                                  | 307.4                                                                             | 27,800                                                                            | 51.7                                                                                  | 312.3                                                                             | 33,700                                                                            | 55.9                                                                                    | 318.3                                                                               | 35,500                                                                              | 120                                                                                 |
| 125                                                                               | 46.3                                                                                  | 302.8                                                                             | 26,400                                                                            | 49.4                                                                                  | 308.2                                                                             | 31,800                                                                            | 53.7                                                                                    | 314.7                                                                               | 33,500                                                                              | 125                                                                                 |
| 128                                                                               | 44.2                                                                                  | 299.7                                                                             | 25,500                                                                            | 47.2                                                                                  | 305.4                                                                             | 30,800                                                                            | 51.8                                                                                    | 312.4                                                                               | 32,400                                                                              | 128                                                                                 |
| 130                                                                               | 43.8                                                                                  | 297.7                                                                             | 24,900                                                                            | 46.9                                                                                  | 303.6                                                                             | 30,100                                                                            | 51.4                                                                                    | 310.8                                                                               | 31,700                                                                              | 130                                                                                 |
| 135                                                                               | 41.1                                                                                  | 292.1                                                                             | 23,600                                                                            | 44.4                                                                                  | 298.6                                                                             | 28,600                                                                            | 49.1                                                                                    | 306.6                                                                               | 30,000                                                                              | 135                                                                                 |
| 140                                                                               | 38.2                                                                                  | 286.0                                                                             | 22,500                                                                            | 41.8                                                                                  | 293.2                                                                             | 27,100                                                                            | 46.6                                                                                    | 302.0                                                                               | 28,400                                                                              | 140                                                                                 |
| 145                                                                               | 35.2                                                                                  | 279.2                                                                             | 21,500                                                                            | 39.0                                                                                  | 287.2                                                                             | 25,600                                                                            | 44.1                                                                                    | 297.0                                                                               | 27,000                                                                              | 145                                                                                 |
| 150                                                                               | 31.9                                                                                  | 271.5                                                                             | 20,600                                                                            | 36.0                                                                                  | 280.6                                                                             | 24,400                                                                            | 41.4                                                                                    | 291.5                                                                               | 25,700                                                                              | 150                                                                                 |
| 155                                                                               | 28.3                                                                                  | 262.8                                                                             | 19,800                                                                            | 32.8                                                                                  | 273.2                                                                             | 23,300                                                                            | 38.6                                                                                    | 285.4                                                                               | 24,400                                                                              | 155                                                                                 |
| 160                                                                               | 24.2                                                                                  | 252.4                                                                             | 19,200                                                                            | 29.3                                                                                  | 264.7                                                                             | 22,300                                                                            | 35.6                                                                                    | 278.7                                                                               | 23,200                                                                              | 160                                                                                 |
| 165                                                                               | 19.3                                                                                  | 239.6                                                                             | 18,700                                                                            | 25.3                                                                                  | 254.8                                                                             | 21,500                                                                            | 32.4                                                                                    | 271.1                                                                               | 22,100                                                                              | 165                                                                                 |
| 170                                                                               | 12.5                                                                                  | 221.5                                                                             | 18,500                                                                            | 20.6                                                                                  | 242.7                                                                             | 20,800                                                                            | 28.8                                                                                    | 262.5                                                                               | 21,100                                                                              | 170                                                                                 |
| 173                                                                               | 5.2                                                                                   | 201.1                                                                             | 18,500                                                                            | 16.4                                                                                  | 233.0                                                                             | 20,600                                                                            | 25.6                                                                                    | 256.5                                                                               | 20,500                                                                              | 173                                                                                 |
| 175                                                                               |                                                                                       |                                                                                   |                                                                                   | 14.5                                                                                  | 226.5                                                                             | 20,400                                                                            | 24.8                                                                                    | 252.4                                                                               | 20,100                                                                              | 175                                                                                 |
| 179                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.2                                                                                   | 203.6                                                                             | 20,400                                                                            | 20.0                                                                                    | 242.5                                                                               | 19,400                                                                              | 179                                                                                 |
| 180                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 20.0                                                                                    | 240.0                                                                               | 19,200                                                                              | 180                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.6                                                                                    | 222.9                                                                               | 18,300                                                                              | 185                                                                                 |
| 189                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.1                                                                                     | 194.1                                                                               | 17,500                                                                              | 189                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 195                                                                                 |
| 198                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 198                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 213                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 213                                                                                 |
| 215                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 215                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 228                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 228                                                                                 |



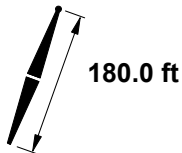
184,600 lb  
+  
44,000 lb



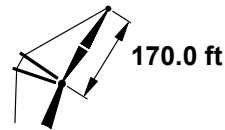
|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 54  |      |       |        |      |       |        |      |       |        | 54  |
| 55  |      |       |        |      |       |        |      |       |        | 55  |
| 60  |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 66  |      |       |        |      |       |        |      |       |        | 66  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 83  |      |       |        |      |       |        |      |       |        | 83  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 | 67.9 | 332.8 | 42,200 |      |       |        |      |       |        | 100 |
| 105 | 65.9 | 330.6 | 39,400 |      |       |        |      |       |        | 105 |
| 110 | 63.9 | 328.2 | 37,000 |      |       |        |      |       |        | 110 |
| 115 | 61.9 | 325.6 | 34,700 |      |       |        |      |       |        | 115 |
| 120 | 59.8 | 322.7 | 32,700 |      |       |        |      |       |        | 120 |
| 125 | 57.7 | 319.7 | 30,800 |      |       |        |      |       |        | 125 |
| 128 | 55.8 | 317.6 | 29,800 | 62.8 | 323.2 | 25,500 |      |       |        | 128 |
| 130 | 55.6 | 316.3 | 29,100 | 62.0 | 322.1 | 24,900 |      |       |        | 130 |
| 135 | 53.4 | 312.7 | 27,500 | 60.0 | 319.3 | 23,500 |      |       |        | 135 |
| 140 | 51.1 | 308.7 | 26,100 | 57.9 | 316.2 | 22,200 |      |       |        | 140 |
| 145 | 48.7 | 304.5 | 24,700 | 55.7 | 312.9 | 21,000 |      |       |        | 145 |
| 150 | 46.3 | 299.8 | 23,500 | 53.5 | 309.3 | 19,900 |      |       |        | 150 |
| 155 | 43.7 | 294.7 | 22,300 | 51.2 | 305.4 | 18,800 | 57.8 | 311.3 | 15,100 | 155 |
| 160 | 41.0 | 289.1 | 21,200 | 48.9 | 301.1 | 17,800 | 55.7 | 307.9 | 14,200 | 160 |
| 165 | 38.2 | 283.0 | 20,200 | 46.4 | 296.5 | 16,900 | 53.5 | 304.3 | 13,300 | 165 |
| 170 | 35.2 | 276.2 | 19,200 | 43.9 | 291.4 | 16,100 | 51.2 | 300.4 | 12,500 | 170 |
| 173 | 32.6 | 271.6 | 18,700 | 41.8 | 288.1 | 15,600 | 49.2 | 297.8 | 12,100 | 173 |
| 175 | 31.9 | 268.5 | 18,300 | 41.2 | 285.9 | 15,300 | 48.8 | 296.1 | 11,800 | 175 |
| 179 | 28.6 | 261.5 | 17,600 | 38.6 | 281.0 | 14,600 | 46.4 | 292.4 | 11,200 | 179 |
| 180 | 28.3 | 259.7 | 17,400 | 38.4 | 279.8 | 14,500 | 46.4 | 291.5 | 11,100 | 180 |
| 185 | 24.2 | 249.3 | 16,600 | 35.4 | 273.0 | 13,800 | 43.8 | 286.4 | 10,400 | 185 |
| 189 | 20.0 | 239.0 | 16,000 | 32.6 | 266.9 | 13,200 | 41.4 | 282.0 | 9,900  | 189 |
| 190 | 19.2 | 236.5 | 15,800 | 32.1 | 265.4 | 13,100 | 41.2 | 280.9 | 9,700  | 190 |
| 195 | 12.4 | 218.2 | 15,000 | 28.5 | 256.7 | 12,400 | 38.3 | 274.8 | 9,100  | 195 |
| 198 | 4.9  | 197.4 | 14,600 | 25.6 | 250.5 | 12,000 | 36.2 | 270.7 | 8,800  | 198 |
| 200 |      |       |        | 24.4 | 246.4 | 11,800 | 35.3 | 268.0 | 8,500  | 200 |
| 205 |      |       |        | 19.5 | 233.7 | 11,200 | 32.0 | 260.3 | 8,000  | 205 |
| 210 |      |       |        | 12.9 | 216.0 | 10,600 | 28.4 | 251.6 | 7,400  | 210 |
| 213 |      |       |        | 6.1  | 197.1 | 10,200 | 25.6 | 245.4 | 7,100  | 213 |
| 215 |      |       |        |      |       |        | 24.3 | 241.3 | 6,900  | 215 |
| 220 |      |       |        |      |       |        | 19.4 | 228.6 | 6,400  | 220 |
| 228 |      |       |        |      |       |        | 5.8  | 191.3 | 5,600  | 228 |



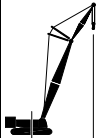
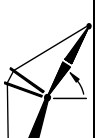
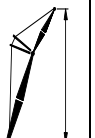
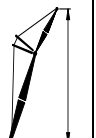
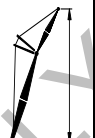
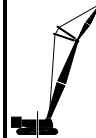
184,600 lb  
+  
44,000 lb



180.0 ft



170.0 ft

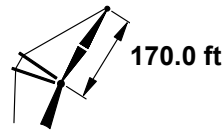
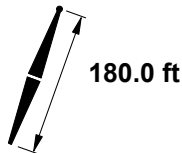
|                                                                                   |  88° |                                                                                   |                                                                                   |  86° |                                                                                   |                                                                                   |  83° |                                                                                     |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |      |  |  |      |  |  |       |  |  |  |
| ft                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                     | ft                                                                                | lb                                                                                | °                                                                                       | ft                                                                                  | lb                                                                                  | ft                                                                                  |
| 56                                                                                | 76.0                                                                                  | 352.6                                                                             | 42,300 b                                                                          |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 56                                                                                  |
| 60                                                                                | 74.6                                                                                  | 351.5                                                                             | 41,900                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 60                                                                                  |
| 65                                                                                | 72.8                                                                                  | 350.0                                                                             | 41,300                                                                            |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 65                                                                                  |
| 68                                                                                | 71.4                                                                                  | 349.0                                                                             | 40,800                                                                            | 74.0                                                                                  | 350.6                                                                             | 48,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 68                                                                                  |
| 70                                                                                | 71.0                                                                                  | 348.4                                                                             | 40,500                                                                            | 73.3                                                                                  | 350.0                                                                             | 48,300                                                                            |                                                                                         |                                                                                     |                                                                                     | 70                                                                                  |
| 75                                                                                | 69.2                                                                                  | 346.5                                                                             | 39,600                                                                            | 71.5                                                                                  | 348.4                                                                             | 47,900                                                                            |                                                                                         |                                                                                     |                                                                                     | 75                                                                                  |
| 80                                                                                | 67.4                                                                                  | 344.5                                                                             | 38,800                                                                            | 69.7                                                                                  | 346.6                                                                             | 47,500                                                                            |                                                                                         |                                                                                     |                                                                                     | 80                                                                                  |
| 85                                                                                | 65.6                                                                                  | 342.3                                                                             | 38,000                                                                            | 67.9                                                                                  | 344.6                                                                             | 46,400                                                                            |                                                                                         |                                                                                     |                                                                                     | 85                                                                                  |
| 86                                                                                | 64.6                                                                                  | 341.8                                                                             | 37,900                                                                            | 66.8                                                                                  | 344.2                                                                             | 46,000                                                                            | 70.9                                                                                    | 346.8                                                                               | 46,900                                                                              | 86                                                                                  |
| 90                                                                                | 63.7                                                                                  | 339.8                                                                             | 37,300                                                                            | 66.1                                                                                  | 342.4                                                                             | 44,400                                                                            | 69.5                                                                                    | 345.3                                                                               | 46,900                                                                              | 90                                                                                  |
| 95                                                                                | 61.8                                                                                  | 337.2                                                                             | 35,800                                                                            | 64.2                                                                                  | 340.1                                                                             | 42,500                                                                            | 67.7                                                                                    | 343.3                                                                               | 46,900                                                                              | 95                                                                                  |
| 100                                                                               | 59.9                                                                                  | 334.4                                                                             | 33,800                                                                            | 62.3                                                                                  | 337.5                                                                             | 40,500                                                                            | 65.8                                                                                    | 341.1                                                                               | 45,200                                                                              | 100                                                                                 |
| 104                                                                               | 57.4                                                                                  | 331.9                                                                             | 32,400                                                                            | 60.4                                                                                  | 335.3                                                                             | 38,900                                                                            | 63.4                                                                                    | 339.2                                                                               | 42,900                                                                              | 104                                                                                 |
| 105                                                                               | 57.9                                                                                  | 331.3                                                                             | 32,100                                                                            | 60.4                                                                                  | 334.7                                                                             | 38,600                                                                            | 63.9                                                                                    | 338.7                                                                               | 42,300                                                                              | 105                                                                                 |
| 110                                                                               | 55.9                                                                                  | 328.0                                                                             | 30,300                                                                            | 58.4                                                                                  | 331.7                                                                             | 36,700                                                                            | 62.1                                                                                    | 336.1                                                                               | 39,700                                                                              | 110                                                                                 |
| 115                                                                               | 53.8                                                                                  | 324.4                                                                             | 28,700                                                                            | 56.4                                                                                  | 328.4                                                                             | 34,800                                                                            | 60.1                                                                                    | 333.3                                                                               | 37,300                                                                              | 115                                                                                 |
| 120                                                                               | 51.7                                                                                  | 320.5                                                                             | 27,200                                                                            | 54.3                                                                                  | 324.9                                                                             | 32,900                                                                            | 58.1                                                                                    | 330.3                                                                               | 35,100                                                                              | 120                                                                                 |
| 125                                                                               | 49.5                                                                                  | 316.4                                                                             | 25,800                                                                            | 52.2                                                                                  | 321.1                                                                             | 31,300                                                                            | 56.1                                                                                    | 327.0                                                                               | 33,100                                                                              | 125                                                                                 |
| 130                                                                               | 47.2                                                                                  | 311.8                                                                             | 24,500                                                                            | 50.0                                                                                  | 317.0                                                                             | 29,600                                                                            | 54.1                                                                                    | 323.4                                                                               | 31,300                                                                              | 130                                                                                 |
| 132                                                                               | 45.8                                                                                  | 309.9                                                                             | 23,900                                                                            | 48.8                                                                                  | 315.3                                                                             | 29,000                                                                            | 52.8                                                                                    | 321.9                                                                               | 30,600                                                                              | 132                                                                                 |
| 135                                                                               | 44.8                                                                                  | 306.9                                                                             | 23,200                                                                            | 47.8                                                                                  | 312.6                                                                             | 28,100                                                                            | 51.9                                                                                    | 319.6                                                                               | 29,600                                                                              | 135                                                                                 |
| 140                                                                               | 42.4                                                                                  | 301.6                                                                             | 22,000                                                                            | 45.4                                                                                  | 307.8                                                                             | 26,600                                                                            | 49.8                                                                                    | 315.5                                                                               | 28,100                                                                              | 140                                                                                 |
| 145                                                                               | 39.8                                                                                  | 295.8                                                                             | 21,000                                                                            | 43.0                                                                                  | 302.6                                                                             | 25,400                                                                            | 47.5                                                                                    | 311.0                                                                               | 26,600                                                                              | 145                                                                                 |
| 150                                                                               | 37.0                                                                                  | 289.4                                                                             | 20,000                                                                            | 40.5                                                                                  | 296.9                                                                             | 24,100                                                                            | 45.1                                                                                    | 306.2                                                                               | 25,300                                                                              | 150                                                                                 |
| 155                                                                               | 34.1                                                                                  | 282.3                                                                             | 19,200                                                                            | 37.8                                                                                  | 290.7                                                                             | 22,900                                                                            | 42.7                                                                                    | 300.9                                                                               | 24,100                                                                              | 155                                                                                 |
| 160                                                                               | 30.9                                                                                  | 274.3                                                                             | 18,400                                                                            | 34.9                                                                                  | 283.7                                                                             | 21,800                                                                            | 40.1                                                                                    | 295.1                                                                               | 22,900                                                                              | 160                                                                                 |
| 165                                                                               | 27.4                                                                                  | 265.2                                                                             | 17,800                                                                            | 31.8                                                                                  | 276.0                                                                             | 20,900                                                                            | 37.4                                                                                    | 288.8                                                                               | 21,800                                                                              | 165                                                                                 |
| 170                                                                               | 23.5                                                                                  | 254.5                                                                             | 17,200                                                                            | 28.4                                                                                  | 267.2                                                                             | 20,000                                                                            | 34.5                                                                                    | 281.8                                                                               | 20,800                                                                              | 170                                                                                 |
| 175                                                                               | 18.7                                                                                  | 241.2                                                                             | 16,900                                                                            | 24.5                                                                                  | 257.0                                                                             | 19,400                                                                            | 31.4                                                                                    | 274.0                                                                               | 19,800                                                                              | 175                                                                                 |
| 180                                                                               | 12.1                                                                                  | 222.5                                                                             | 16,700                                                                            | 20.0                                                                                  | 244.5                                                                             | 18,800                                                                            | 27.9                                                                                    | 265.0                                                                               | 18,900                                                                              | 180                                                                                 |
| 183                                                                               | 5.0                                                                                   | 201.5                                                                             | 16,700                                                                            | 16.0                                                                                  | 234.4                                                                             | 18,600                                                                            | 25.2                                                                                    | 258.7                                                                               | 18,400                                                                              | 183                                                                                 |
| 185                                                                               |                                                                                       |                                                                                   |                                                                                   | 14.1                                                                                  | 227.7                                                                             | 18,500                                                                            | 24.0                                                                                    | 254.5                                                                               | 18,000                                                                              | 185                                                                                 |
| 189                                                                               |                                                                                       |                                                                                   |                                                                                   | 6.0                                                                                   | 204.1                                                                             | 18,500                                                                            | 20.0                                                                                    | 244.2                                                                               | 17,400                                                                              | 189                                                                                 |
| 190                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 19.3                                                                                    | 241.7                                                                               | 17,200                                                                              | 190                                                                                 |
| 195                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 13.2                                                                                    | 224.0                                                                               | 16,400                                                                              | 195                                                                                 |
| 199                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   | 3.0                                                                                     | 194.3                                                                               | 15,700                                                                              | 199                                                                                 |
| 200                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 200                                                                                 |
| 205                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 205                                                                                 |
| 208                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 208                                                                                 |
| 210                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 210                                                                                 |
| 215                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 215                                                                                 |
| 220                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 220                                                                                 |
| 223                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 223                                                                                 |
| 225                                                                               |                                                                                       |                                                                                   |                                                                                   |                                                                                       |                                                                                   |                                                                                   |                                                                                         |                                                                                     |                                                                                     | 225                                                                                 |

# MLC250 S-2

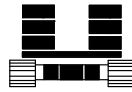
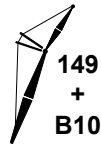
ASME B30.5



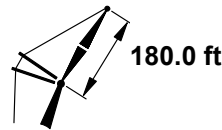
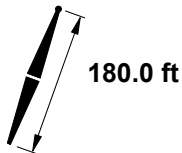
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 56  |      |       |        |      |       |        |      |       |        | 56  |
| 60  |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 68  |      |       |        |      |       |        |      |       |        | 68  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 86  |      |       |        |      |       |        |      |       |        | 86  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 104 | 67.8 | 341.9 | 39,500 |      |       |        |      |       |        | 104 |
| 105 | 67.4 | 341.5 | 39,000 |      |       |        |      |       |        | 105 |
| 110 | 65.6 | 339.3 | 36,500 |      |       |        |      |       |        | 110 |
| 115 | 63.7 | 336.9 | 34,300 |      |       |        |      |       |        | 115 |
| 120 | 61.8 | 334.2 | 32,300 |      |       |        |      |       |        | 120 |
| 125 | 59.8 | 331.4 | 30,400 |      |       |        |      |       |        | 125 |
| 130 | 57.9 | 328.3 | 28,700 |      |       |        |      |       |        | 130 |
| 132 | 56.2 | 327.0 | 28,100 | 63.0 | 332.4 | 23,900 |      |       |        | 132 |
| 135 | 55.8 | 325.0 | 27,100 | 61.9 | 330.8 | 23,000 |      |       |        | 135 |
| 140 | 53.8 | 321.4 | 25,700 | 60.0 | 328.0 | 21,700 |      |       |        | 140 |
| 145 | 51.6 | 317.6 | 24,300 | 58.0 | 324.9 | 20,500 |      |       |        | 145 |
| 150 | 49.4 | 313.4 | 23,100 | 56.0 | 321.6 | 19,400 |      |       |        | 150 |
| 155 | 47.2 | 308.8 | 21,900 | 53.9 | 318.0 | 18,400 |      |       |        | 155 |
| 160 | 44.8 | 303.9 | 20,800 | 51.8 | 314.2 | 17,400 | 57.9 | 320.0 | 13,500 | 160 |
| 165 | 42.3 | 298.6 | 19,800 | 49.6 | 310.0 | 16,500 | 55.9 | 316.6 | 12,700 | 165 |
| 170 | 39.8 | 292.8 | 18,900 | 47.3 | 305.5 | 15,700 | 53.9 | 313.1 | 11,900 | 170 |
| 175 | 37.0 | 286.4 | 17,900 | 44.9 | 300.6 | 14,900 | 51.7 | 309.2 | 11,100 | 175 |
| 180 | 34.1 | 279.3 | 17,100 | 42.5 | 295.3 | 14,100 | 49.5 | 305.0 | 10,400 | 180 |
| 183 | 31.6 | 274.5 | 16,600 | 40.2 | 291.9 | 13,700 | 47.8 | 302.3 | 10,000 | 183 |
| 185 | 30.9 | 271.3 | 16,300 | 39.9 | 289.5 | 13,400 | 47.3 | 300.5 | 9,800  | 185 |
| 189 | 27.6 | 264.0 | 15,700 | 37.4 | 284.4 | 12,800 | 44.6 | 296.6 | 9,300  | 189 |
| 190 | 27.4 | 262.1 | 15,500 | 37.2 | 283.2 | 12,700 | 44.9 | 295.7 | 9,100  | 190 |
| 195 | 23.4 | 251.4 | 14,800 | 34.3 | 276.1 | 12,000 | 42.4 | 290.3 | 8,500  | 195 |
| 199 | 19.0 | 240.7 | 14,200 | 31.6 | 269.7 | 11,500 | 39.6 | 285.7 | 8,100  | 199 |
| 200 | 18.6 | 238.1 | 14,100 | 31.1 | 268.2 | 11,400 | 39.9 | 284.5 | 7,900  | 200 |
| 205 | 12.0 | 219.3 | 13,400 | 27.6 | 259.1 | 10,700 | 37.1 | 278.1 | 7,400  | 205 |
| 208 | 4.7  | 197.8 | 12,900 | 24.6 | 252.7 | 10,400 | 35.2 | 273.9 | 7,100  | 208 |
| 210 |      |       |        | 23.7 | 248.5 | 10,100 | 34.2 | 271.1 | 6,900  | 210 |
| 215 |      |       |        | 18.9 | 235.4 | 9,500  | 31.0 | 263.1 | 6,400  | 215 |
| 220 |      |       |        | 12.5 | 217.1 | 8,900  | 27.6 | 254.0 | 5,900  | 220 |
| 223 |      |       |        | 5.9  | 197.6 | 8,500  | 24.6 | 247.6 | 5,600  | 223 |
| 225 |      |       |        |      |       |        | 23.6 | 243.4 | 5,400  | 225 |



184,600 lb  
+  
44,000 lb



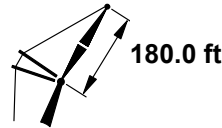
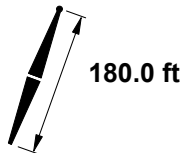
|     | 88°  |       |          | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|----------|------|-------|--------|------|-------|--------|-----|
|     |      |       |          |      |       |        |      |       |        |     |
|     | ft   | ft    | lb       | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 59  | 75.8 | 362.2 | 38,900 b |      |       |        |      |       |        | 59  |
| 60  | 75.5 | 361.9 | 38,900   |      |       |        |      |       |        | 60  |
| 65  | 73.8 | 360.5 | 38,500   |      |       |        |      |       |        | 65  |
| 70  | 72.1 | 358.9 | 37,800   |      |       |        |      |       |        | 70  |
| 71  | 71.6 | 358.6 | 37,600   | 73.9 | 360.2 | 44,600 |      |       |        | 71  |
| 75  | 70.4 | 357.2 | 37,100   | 72.6 | 358.9 | 44,300 |      |       |        | 75  |
| 80  | 68.7 | 355.3 | 36,300   | 70.9 | 357.2 | 44,000 |      |       |        | 80  |
| 85  | 67.0 | 353.2 | 35,600   | 69.2 | 355.4 | 43,600 |      |       |        | 85  |
| 89  | 65.4 | 351.4 | 35,100   | 67.4 | 353.7 | 42,500 | 71.0 | 356.3 | 43,100 | 89  |
| 90  | 65.3 | 351.0 | 35,000   | 67.5 | 353.3 | 42,300 | 70.7 | 356.0 | 43,100 | 90  |
| 95  | 63.5 | 348.5 | 34,300   | 65.7 | 351.1 | 40,600 | 69.0 | 354.1 | 43,100 | 95  |
| 100 | 61.7 | 345.9 | 32,700   | 64.0 | 348.7 | 38,900 | 67.2 | 352.1 | 43,000 | 100 |
| 105 | 59.9 | 343.0 | 31,000   | 62.2 | 346.2 | 37,100 | 65.5 | 349.8 | 41,800 | 105 |
| 107 | 58.6 | 341.8 | 30,400   | 61.2 | 345.0 | 36,400 | 64.2 | 348.9 | 40,800 | 107 |
| 110 | 58.0 | 340.0 | 29,400   | 60.3 | 343.4 | 35,400 | 63.7 | 347.4 | 39,200 | 110 |
| 115 | 56.1 | 336.7 | 27,900   | 58.5 | 340.4 | 33,700 | 61.9 | 344.8 | 36,800 | 115 |
| 120 | 54.2 | 333.1 | 26,500   | 56.6 | 337.1 | 32,100 | 60.1 | 342.0 | 34,600 | 120 |
| 125 | 52.2 | 329.3 | 25,100   | 54.7 | 333.7 | 30,400 | 58.2 | 338.9 | 32,600 | 125 |
| 130 | 50.1 | 325.2 | 23,800   | 52.7 | 329.9 | 29,000 | 56.3 | 335.7 | 30,800 | 130 |
| 135 | 48.0 | 320.8 | 22,700   | 50.6 | 325.9 | 27,500 | 54.4 | 332.2 | 29,200 | 135 |
| 137 | 46.2 | 318.9 | 22,300   | 49.2 | 324.2 | 26,900 | 53.2 | 330.7 | 28,500 | 137 |
| 140 | 45.8 | 316.1 | 21,600   | 48.5 | 321.6 | 26,100 | 52.4 | 328.4 | 27,600 | 140 |
| 145 | 43.5 | 311.0 | 20,500   | 46.3 | 316.9 | 24,800 | 50.4 | 324.4 | 26,200 | 145 |
| 150 | 41.1 | 305.4 | 19,500   | 44.1 | 311.9 | 23,600 | 48.3 | 320.0 | 24,800 | 150 |
| 155 | 38.6 | 299.3 | 18,600   | 41.7 | 306.4 | 22,600 | 46.1 | 315.3 | 23,600 | 155 |
| 160 | 36.0 | 292.6 | 17,800   | 39.3 | 300.5 | 21,500 | 43.8 | 310.2 | 22,400 | 160 |
| 165 | 33.1 | 285.3 | 17,100   | 36.6 | 294.0 | 20,400 | 41.4 | 304.7 | 21,400 | 165 |
| 166 | 32.4 | 283.6 | 17,000   | 35.4 | 292.5 | 20,200 | 40.4 | 303.5 | 21,200 | 166 |
| 170 | 30.0 | 277.0 | 16,500   | 33.9 | 286.8 | 19,500 | 38.9 | 298.7 | 20,300 | 170 |
| 175 | 26.6 | 267.6 | 15,900   | 30.9 | 278.8 | 18,700 | 36.3 | 292.1 | 19,400 | 175 |
| 180 | 22.8 | 256.5 | 15,500   | 27.5 | 269.7 | 18,000 | 33.5 | 284.8 | 18,500 | 180 |
| 185 | 18.1 | 242.8 | 15,200   | 23.8 | 259.1 | 17,500 | 30.5 | 276.7 | 17,600 | 185 |
| 190 | 11.8 | 223.5 | 15,200   | 19.4 | 246.2 | 17,100 | 27.1 | 267.4 | 16,800 | 190 |
| 193 | 4.8  | 201.9 | 15,200   | 15.4 | 235.8 | 16,900 | 24.6 | 260.9 | 16,300 | 193 |
| 195 |      |       |          | 13.7 | 228.9 | 16,800 | 23.3 | 256.6 | 16,000 | 195 |
| 199 |      |       |          | 5.8  | 204.6 | 16,300 | 19.0 | 246.0 | 15,400 | 199 |
| 200 |      |       |          |      |       |        | 18.8 | 243.3 | 15,300 | 200 |
| 205 |      |       |          |      |       |        | 12.8 | 225.1 | 14,500 | 205 |
| 209 |      |       |          |      |       |        | 2.9  | 194.5 | 13,900 | 209 |
| 210 |      |       |          |      |       |        |      |       |        | 210 |
| 218 |      |       |          |      |       |        |      |       |        | 218 |
| 220 |      |       |          |      |       |        |      |       |        | 220 |
| 230 |      |       |          |      |       |        |      |       |        | 230 |
| 233 |      |       |          |      |       |        |      |       |        | 233 |

# MLC250 S-2

ASME B30.5



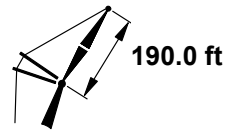
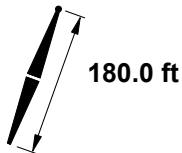
184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | lb     | ft  |
| 59  |      |       |        |      |       |        |      |       |        | 59  |
| 60  |      |       |        |      |       |        |      |       |        | 60  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 71  |      |       |        |      |       |        |      |       |        | 71  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 89  |      |       |        |      |       |        |      |       |        | 89  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 107 | 68.0 | 351.5 | 37,400 |      |       |        |      |       |        | 107 |
| 110 | 67.0 | 350.2 | 36,000 |      |       |        |      |       |        | 110 |
| 115 | 65.3 | 348.0 | 33,800 |      |       |        |      |       |        | 115 |
| 120 | 63.5 | 345.5 | 31,700 |      |       |        |      |       |        | 120 |
| 125 | 61.7 | 342.9 | 29,900 |      |       |        |      |       |        | 125 |
| 130 | 59.9 | 340.1 | 28,200 |      |       |        |      |       |        | 130 |
| 135 | 58.0 | 337.0 | 26,600 |      |       |        |      |       |        | 135 |
| 137 | 56.6 | 335.7 | 26,000 | 62.9 | 341.1 | 21,900 |      |       |        | 137 |
| 140 | 56.1 | 333.7 | 25,200 | 61.8 | 339.5 | 21,100 |      |       |        | 140 |
| 145 | 54.1 | 330.2 | 23,800 | 60.0 | 336.6 | 20,000 |      |       |        | 145 |
| 150 | 52.1 | 326.4 | 22,600 | 58.1 | 333.6 | 18,900 |      |       |        | 150 |
| 155 | 50.1 | 322.3 | 21,400 | 56.2 | 330.3 | 17,800 |      |       |        | 155 |
| 160 | 48.0 | 317.9 | 20,300 | 54.2 | 326.8 | 16,900 |      |       |        | 160 |
| 165 | 45.8 | 313.1 | 19,300 | 52.2 | 323.0 | 16,000 |      |       |        | 165 |
| 166 | 44.6 | 312.1 | 19,100 | 51.6 | 322.2 | 15,800 | 57.7 | 328.0 | 11,600 | 166 |
| 170 | 43.5 | 308.0 | 18,400 | 50.2 | 318.9 | 15,100 | 56.2 | 325.3 | 11,000 | 170 |
| 175 | 41.1 | 302.4 | 17,500 | 48.1 | 314.5 | 14,300 | 54.2 | 321.8 | 10,300 | 175 |
| 180 | 38.6 | 296.3 | 16,600 | 45.9 | 309.8 | 13,500 | 52.2 | 318.0 | 9,600  | 180 |
| 185 | 35.9 | 289.6 | 15,800 | 43.6 | 304.7 | 12,700 | 50.2 | 313.9 | 8,900  | 185 |
| 190 | 33.1 | 282.2 | 15,100 | 41.2 | 299.1 | 12,000 | 48.0 | 309.5 | 8,300  | 190 |
| 193 | 31.2 | 277.3 | 14,600 | 39.2 | 295.5 | 11,600 | 46.2 | 306.7 | 7,900  | 193 |
| 195 | 30.0 | 273.9 | 14,300 | 38.7 | 293.1 | 11,300 | 45.8 | 304.8 | 7,700  | 195 |
| 199 | 26.8 | 266.4 | 13,800 | 36.4 | 287.7 | 10,800 | 43.4 | 300.7 | 7,200  | 199 |
| 200 | 26.6 | 264.5 | 13,600 | 36.1 | 286.4 | 10,600 | 43.6 | 299.7 | 7,100  | 200 |
| 205 | 22.7 | 253.4 | 13,000 | 33.3 | 279.1 | 10,000 | 41.2 | 294.1 | 6,600  | 205 |
| 209 | 18.8 | 242.4 | 12,500 | 30.6 | 272.5 | 9,500  | 38.6 | 289.3 | 6,200  | 209 |
| 210 | 18.1 | 239.7 | 12,300 | 30.2 | 270.9 | 9,400  | 38.7 | 288.1 | 6,100  | 210 |
| 218 | 4.6  | 198.2 | 11,300 | 23.6 | 254.6 | 8,500  | 34.0 | 276.8 | 5,300  | 218 |
| 220 |      |       |        | 23.0 | 250.5 | 8,300  | 33.2 | 274.0 | 5,100  | 220 |
| 230 |      |       |        | 12.2 | 218.1 | 7,200  |      |       |        | 230 |
| 233 |      |       |        | 5.7  | 198.1 | 6,800  |      |       |        | 233 |



184,600 lb  
+  
44,000 lb

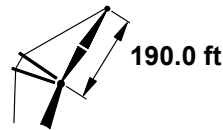
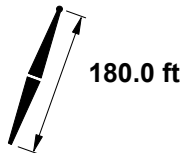


|     | 88°  |       |        | 86°  |       |        | 83°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
|     | ft   | ft    | lb     | ft   | lb    | ft     | lb   | ft    | ft     |     |
| 61  | 75.9 | 372.0 | 36,000 |      |       |        |      |       |        | 61  |
| 65  | 74.7 | 370.9 | 35,700 |      |       |        |      |       |        | 65  |
| 70  | 73.1 | 369.4 | 35,300 |      |       |        |      |       |        | 70  |
| 74  | 71.4 | 368.1 | 34,800 | 73.8 | 369.7 | 41,000 |      |       |        | 74  |
| 75  | 71.5 | 367.8 | 34,600 | 73.5 | 369.4 | 41,000 |      |       |        | 75  |
| 80  | 69.9 | 366.0 | 34,000 | 71.9 | 367.8 | 40,700 |      |       |        | 80  |
| 85  | 68.3 | 364.0 | 33,400 | 70.3 | 366.1 | 40,400 |      |       |        | 85  |
| 90  | 66.7 | 361.9 | 32,800 | 68.7 | 364.2 | 40,100 |      |       |        | 90  |
| 93  | 65.4 | 360.6 | 32,400 | 67.4 | 362.9 | 39,200 | 70.8 | 365.5 | 39,600 | 93  |
| 95  | 65.0 | 359.7 | 32,200 | 67.1 | 362.1 | 38,700 | 70.1 | 364.8 | 39,600 | 95  |
| 100 | 63.3 | 357.2 | 31,500 | 65.4 | 359.8 | 37,200 | 68.5 | 362.9 | 39,600 | 100 |
| 105 | 61.6 | 354.5 | 30,000 | 63.8 | 357.4 | 35,600 | 66.9 | 360.8 | 39,500 | 105 |
| 110 | 59.9 | 351.7 | 28,500 | 62.1 | 354.8 | 34,100 | 65.2 | 358.5 | 38,900 | 110 |
| 111 | 58.8 | 351.1 | 28,300 | 61.6 | 354.3 | 33,800 | 64.6 | 358.0 | 38,500 | 111 |
| 115 | 58.1 | 348.6 | 27,100 | 60.3 | 352.0 | 32,600 | 63.5 | 356.1 | 36,600 | 115 |
| 120 | 56.3 | 345.4 | 25,800 | 58.6 | 349.0 | 31,200 | 61.8 | 353.5 | 34,400 | 120 |
| 125 | 54.5 | 341.9 | 24,500 | 56.8 | 345.8 | 29,700 | 60.1 | 350.6 | 32,400 | 125 |
| 130 | 52.6 | 338.1 | 23,300 | 54.9 | 342.4 | 28,300 | 58.3 | 347.6 | 30,600 | 130 |
| 135 | 50.7 | 334.1 | 22,100 | 53.1 | 338.7 | 26,900 | 56.5 | 344.4 | 28,900 | 135 |
| 140 | 48.7 | 329.8 | 21,100 | 51.2 | 334.7 | 25,600 | 54.7 | 340.9 | 27,400 | 140 |
| 142 | 47.2 | 327.9 | 20,700 | 50.2 | 333.0 | 25,100 | 53.2 | 339.4 | 26,800 | 142 |
| 145 | 46.6 | 325.2 | 20,100 | 49.2 | 330.5 | 24,400 | 52.8 | 337.2 | 26,000 | 145 |
| 150 | 44.5 | 320.2 | 19,200 | 47.1 | 326.0 | 23,200 | 50.9 | 333.2 | 24,600 | 150 |
| 155 | 42.3 | 314.8 | 18,200 | 45.0 | 321.1 | 22,100 | 48.9 | 328.9 | 23,400 | 155 |
| 160 | 40.0 | 309.0 | 17,400 | 42.8 | 315.8 | 21,100 | 46.9 | 324.4 | 22,200 | 160 |
| 165 | 37.5 | 302.7 | 16,700 | 40.6 | 310.1 | 20,200 | 44.8 | 319.4 | 21,200 | 165 |
| 170 | 35.0 | 295.8 | 16,000 | 38.2 | 304.0 | 19,300 | 42.6 | 314.1 | 20,100 | 170 |
| 171 | 33.6 | 294.3 | 15,800 | 37.4 | 302.6 | 19,100 | 41.6 | 313.0 | 19,900 | 171 |
| 175 | 32.2 | 288.1 | 15,400 | 35.6 | 297.2 | 18,400 | 40.3 | 308.4 | 19,200 | 175 |
| 180 | 29.2 | 279.6 | 14,900 | 32.9 | 289.8 | 17,600 | 37.9 | 302.1 | 18,300 | 180 |
| 185 | 25.9 | 269.9 | 14,400 | 30.0 | 281.5 | 17,000 | 35.3 | 295.3 | 17,400 | 185 |
| 190 | 22.2 | 258.4 | 14,100 | 26.8 | 272.1 | 16,300 | 32.6 | 287.7 | 16,600 | 190 |
| 195 | 17.6 | 244.3 | 13,800 | 23.2 | 261.1 | 15,900 | 29.6 | 279.3 | 15,800 | 195 |
| 200 | 11.5 | 224.5 | 13,800 | 18.9 | 247.8 | 15,500 | 26.4 | 269.7 | 15,100 | 200 |
| 203 | 4.7  | 202.2 | 13,600 | 13.7 | 233.6 | 15,100 | 23.6 | 262.3 | 14,700 | 203 |
| 209 |      |       |        | 5.7  | 205.1 | 14,400 | 18.8 | 247.4 | 13,900 | 209 |
| 210 |      |       |        |      |       |        | 18.3 | 244.9 | 13,700 | 210 |
| 215 |      |       |        |      |       |        | 12.4 | 226.2 | 13,100 | 215 |
| 219 |      |       |        |      |       |        | 2.8  | 194.7 | 12,500 | 219 |
| 220 |      |       |        |      |       |        |      |       |        | 220 |
| 228 |      |       |        |      |       |        |      |       |        | 228 |
| 230 |      |       |        |      |       |        |      |       |        | 230 |
| 240 |      |       |        |      |       |        |      |       |        | 240 |
| 243 |      |       |        |      |       |        |      |       |        | 243 |





184,600 lb  
+  
44,000 lb



|     | 80°  |       |        | 75°  |       |        | 70°  |       |        |     |
|-----|------|-------|--------|------|-------|--------|------|-------|--------|-----|
|     |      |       |        |      |       |        |      |       |        |     |
| 61  |      |       |        |      |       |        |      |       |        | 61  |
| 65  |      |       |        |      |       |        |      |       |        | 65  |
| 70  |      |       |        |      |       |        |      |       |        | 70  |
| 74  |      |       |        |      |       |        |      |       |        | 74  |
| 75  |      |       |        |      |       |        |      |       |        | 75  |
| 80  |      |       |        |      |       |        |      |       |        | 80  |
| 85  |      |       |        |      |       |        |      |       |        | 85  |
| 90  |      |       |        |      |       |        |      |       |        | 90  |
| 93  |      |       |        |      |       |        |      |       |        | 93  |
| 95  |      |       |        |      |       |        |      |       |        | 95  |
| 100 |      |       |        |      |       |        |      |       |        | 100 |
| 105 |      |       |        |      |       |        |      |       |        | 105 |
| 110 |      |       |        |      |       |        |      |       |        | 110 |
| 111 | 68.0 | 360.7 | 35,300 |      |       |        |      |       |        | 111 |
| 115 | 66.6 | 359.0 | 33,500 |      |       |        |      |       |        | 115 |
| 120 | 65.0 | 356.7 | 31,500 |      |       |        |      |       |        | 120 |
| 125 | 63.3 | 354.2 | 29,600 |      |       |        |      |       |        | 125 |
| 130 | 61.6 | 351.6 | 28,000 |      |       |        |      |       |        | 130 |
| 135 | 59.9 | 348.7 | 26,400 |      |       |        |      |       |        | 135 |
| 140 | 58.1 | 345.7 | 24,900 |      |       |        |      |       |        | 140 |
| 142 | 57.2 | 344.4 | 24,400 | 62.7 | 349.7 | 20,400 |      |       |        | 142 |
| 145 | 56.3 | 342.4 | 23,600 | 61.7 | 348.1 | 19,700 |      |       |        | 145 |
| 150 | 54.5 | 338.9 | 22,400 | 60.0 | 345.3 | 18,600 |      |       |        | 150 |
| 155 | 52.6 | 335.1 | 21,200 | 58.2 | 342.3 | 17,600 |      |       |        | 155 |
| 160 | 50.6 | 331.1 | 20,100 | 56.4 | 339.0 | 16,600 |      |       |        | 160 |
| 165 | 48.6 | 326.8 | 19,100 | 54.6 | 335.5 | 15,700 |      |       |        | 165 |
| 170 | 46.6 | 322.2 | 18,200 | 52.7 | 331.8 | 14,800 |      |       |        | 170 |
| 171 | 45.6 | 321.2 | 18,000 | 51.6 | 331.0 | 14,600 | 57.8 | 336.7 | 10,500 | 171 |
| 175 | 44.5 | 317.2 | 17,300 | 50.7 | 327.8 | 13,900 | 56.4 | 334.0 | 9,900  | 175 |
| 180 | 42.2 | 311.8 | 16,400 | 48.8 | 323.5 | 13,100 | 54.5 | 330.5 | 9,200  | 180 |
| 185 | 39.9 | 306.0 | 15,600 | 46.7 | 318.9 | 12,400 | 52.6 | 326.8 | 8,600  | 185 |
| 190 | 37.5 | 299.7 | 14,900 | 44.6 | 313.9 | 11,600 | 50.7 | 322.8 | 7,900  | 190 |
| 195 | 34.9 | 292.8 | 14,100 | 42.4 | 308.6 | 10,900 | 48.7 | 318.5 | 7,300  | 195 |
| 200 | 32.2 | 285.1 | 13,500 | 40.1 | 302.8 | 10,300 | 46.7 | 313.9 | 6,800  | 200 |
| 203 | 29.9 | 279.6 | 13,100 | 38.5 | 298.8 | 9,900  | 44.8 | 310.8 | 6,500  | 203 |
| 209 | 25.7 | 268.6 | 12,300 | 35.5 | 290.9 | 9,200  | 42.4 | 304.6 | 5,900  | 209 |
| 210 | 25.9 | 266.8 | 12,200 | 35.1 | 289.6 | 9,100  | 42.3 | 303.6 | 5,700  | 210 |
| 215 | 22.1 | 255.3 | 11,600 | 32.3 | 282.0 | 8,500  | 40.0 | 297.8 | 5,300  | 215 |
| 219 | 18.0 | 244.0 | 11,100 | 29.6 | 275.2 | 8,100  |      |       |        | 219 |
| 220 | 17.6 | 241.2 | 11,000 | 29.4 | 273.5 | 8,000  |      |       |        | 220 |
| 228 | 4.5  | 198.5 | 10,100 | 23.4 | 256.7 | 7,100  |      |       |        | 228 |
| 230 |      |       |        | 22.3 | 252.5 | 6,900  |      |       |        | 230 |
| 240 |      |       |        | 11.8 | 219.1 | 5,900  |      |       |        | 240 |
| 243 |      |       |        | 5.5  | 198.5 | 5,600  |      |       |        | 243 |